



RF TEST REPORT

Report No.: SET2022-12242

Product Name: LTE Indoor CPE

Model No.: EG3015M-M30-HP, EG3015M-M11-HP

FCC ID: 2AG32EG3015MM30HP

Applicant: Baicells Technologies Co., Ltd.

Address: 9-10F, 1stBldg., No.81BeiqingRoad, Haidian District, Beijing, China

Dates of Testing: 08/18/2022 - 09/08/2022

Issued by: CCIC Southern Testing Co., Ltd.

Lab Location: Electronic Testing Building, No. 43 Shahe Road, Xili Street,
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Test Report

Product: LTE Indoor CPE
Trade Name: Baicells
Applicant.....: Baicells Technologies Co., Ltd.
Applicant Address: 9-10F, 1stBldg., No.81BeiqingRoad, Haidian District,
Beijing, China
Manufacturer: Baicells Technologies Co., Ltd.
Manufacturer Address: 9-10F, 1stBldg., No.81BeiqingRoad, Haidian District,
Beijing, China
Test Standards: 47 CFR Part 15 Subpart E 15.407
ANSI C63.10-2013
Test Result.....: Pass

Tested by:  2022.09.09
Chuiwang Zhang, Test Engineer

Reviewed by:  2022.09.09
Chris You, Senior Engineer

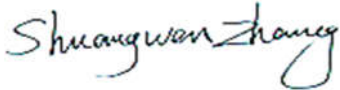
Approved by:  2022.09.09
Shuangwen Zhang, Manager

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Change History		
Issue	Date	Reason for change
1.0	2022.09.09	First edition

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	LTE Indoor CPE
Model No.	EG3015M-M30-HP, EG3015M-M11-HP
EUT supports Radios application	WLAN5.0GHz 802.11a/n/ac/ax
Product Type	Indoor Access Point
Modulation Type	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 300 Mbps (2x2MIMO) 802.11ac: up to 1733.333 Mbps (2x2MIMO) 802.11ax: up to 2401.961 Mbps (2x2MIMO)
Frequency Range	UNII-1: 5150 ~ 5250MHz UNII-3: 5725 ~ 5850MHz
Channel Bandwidth	802.11a: 20MHz 802.11n: 20MHz/40MHz 802.11ac/ax: 20MHz/40MHz/80MHz
Channel Number	UNII-1: 4 for 802.11a, 802.11n(HT20), 802.11ac(VHT20), 802.11ax(HE20) 2 for 802.11n(HT40), 802.11ac(VHT40), 802.11ax(HE40) 1 for 802.11ac(VHT80), 802.11ax(HE80) UNII-3: 5 for 802.11a, 802.11n(HT20), 802.11ac(VHT20), 802.11ax(HE20) 2 for 802.11n(HT40), 802.11ac(VHT40)), 802.11ax(HE40) 1 for 802.11ac(VHT80), 802.11ax(HE80)
Antenna Type	Internal Antenna
Antenna Gain	Antenna 0/1: 2.5dBi
Output Power (Max.)	UNII-1: 20.61dBm UNII-3: 20.74dBm
AC adapter	Model No.:S24B72-120A200-0K Input: AC100-240V, 50/60Hz 0.8A Output: DC 12.0V, 2.0A or DC 24.0W

Note: Model EG3015M-M11-HP shields LTE B41 through software, only supports LTE B48, and other parts are consistent with model EG3015M-M30-HP.

1.2. Test Standards and Results

The objective of the report is to perform testing according to below standards for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E §15.407	Radio Frequency Devices
2	KDB789033 D02 General UNII Test Procedures New Rules v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB 662911 D01 Multiple Transmitter Output v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band
4	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

Test detailed items/section required by FCC rules and results are as below:

No.	FCC Rule	Description	Result
1	15.203 15.407(a)	Antenna Requirement	PASS
2	15.407(a)(1)(iii) 15.407(a)(3)(i)	Maximum Conducted Output Power	PASS
3	15.407(a)(12)	26dB Emission Bandwidth 99% Occupied Bandwidth	PASS
4	15.407(e)	6dB Emission Bandwidth	PASS
5	15.407(a)(1)(iii) 15.407(a)(3)(i)	Power spectral density (PSD)	PASS
6	15.207	AC Power Line Conducted Emission	PASS
7	15.205 15.209 15.407(b)	Radiated Band Edges and Spurious Emission	PASS
8	15.407(g)	Frequency Stability	PASS

1.3. Channel List

Operated band in 5150 MHz ~ 5250MHz

4 channels are provided for 802.11a, 802.11n-HT20, 802.11ac-VHT20 and 802.11ax-HE20.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	44	5220
40	5200	48	5240

2 channels are provided for 802.11n-HT40, 802.11ac-VHT40 and 802.11ax-HE40.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
38	5190	46	5230

1 channels are provided for 802.11ac-VHT80 and 802.11ax-HE80.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
42	5210	/	/

Operated band in 5725 MHz ~ 5850MHz

5 channels are provided for 802.11a, 802.11n-HT20, 802.11ac-VHT20, 802.11ax-HE20.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
149	5745	161	5805
153	5765	165	5825
157	5785		

2 channels are provided for 802.11n-HT40, 802.11ac-VHT40, 802.11ax-HE40.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
151	5755	159	5795

1 channel are provided for 802.11ac-VHT80, 802.11ax-HE80.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
155	5775	/	/

1.4. Test environment and mode

During the measurement, the environmental conditions were within the listed ranges:

Operating Environment	
Temperature	15°C - 35°C
Humidity	30% -60%
Atmospheric Pressure	86KPa-106KPa
Test mode:	
Continuously transmitting mode	Keeps the EUT in 100% duty cycle transmitting with modulation in SISO, duty cycle factor is not required.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

For Frequency band 5150 ~ 5250 MHz				
Test Mode	Frequency(MHz)			Data rate
	LCH	MCH	HCH	
802.11a	5180	5220	5240	6 Mbps
802.11n-HT20/ac-VHT20/ax-HE20				MCS 0
802.11n-HT40/ac-VHT40/ax-HE40	5190	/	5230	MCS 0
802.11ac-VHT80/ax-HE80	5210	/	/	MCS 0
Note: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.				

For Frequency band 5725 ~ 5850 MHz				
Test Mode	Frequency(MHz)			Data rate
	LCH	MCH	HCH	
802.11a	5745	5785	5825	6 Mbps
802.11n-HT20/ac-VHT20/ax-HE20				MCS 0
802.11n-HT40/ac-VHT40/ax-HE40	5755	/	5795	MCS 0
802.11ac-VHT80/ax-HE80	5775	/	/	MCS 0
Note: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.				

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation modes or test configuration modes mentioned above was evaluated respectively.

Pretest Test Mode	Description
Mode 1	TX 802.11a SISO Mode
Mode 2	TX 802.11n-HT20 SISO Mode
Mode 3	TX 802.11n-HT40 SISO Mode
Mode 4	TX 802.11ac-VHT20 SISO Mode
Mode 5	TX 802.11ac-VHT40 SISO Mode
Mode 6	TX 802.11ac-VHT80 SISO Mode
Mode 7	TX 802.11ax-HE20 SISO Mode
Mode 8	TX 802.11ax-HE40 SISO Mode
Mode 9	TX 802.11ax-HE80 SISO Mode
Mode 10	TX 802.11n-HT20 2*2MIMO Mode
Mode 11	TX 802.11n-HT40 2*2MIMO Mode
Mode 12	TX 802.11ac-VHT20 2*2MIMO Mode
Mode 13	TX 802.11ac-VHT40 2*2MIMO Mode
Mode 14	TX 802.11ac-VHT80 2*2MIMO Mode
Mode 15	TX 802.11ax-HE20 2*2MIMO Mode
Mode 16	TX 802.11ax-HE40 2*2MIMO Mode
Mode 17	TX 802.11ax-HE80 2*2MIMO Mode
Mode 18	TX Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 18	TX Mode
For Radiated Test	
Final Test Mode	Description
Mode 1	TX 802.11a SISO Mode
Mode 2	TX 802.11n-HT20 SISO Mode
Mode 3	TX 802.11n-HT40 SISO Mode
Mode 4	TX 802.11ac-VHT20 SISO Mode
Mode 5	TX 802.11ac-VHT40 SISO Mode
Mode 6	TX 802.11ac-VHT80 SISO Mode
Mode 7	TX 802.11ax-HE20 SISO Mode
Mode 8	TX 802.11ax-HE40 SISO Mode
Mode 9	TX 802.11ax-HE80 SISO Mode
Mode 10	TX 802.11n-HT20 2*2MIMO Mode
Mode 11	TX 802.11n-HT40 2*2MIMO Mode
Mode 12	TX 802.11ac-VHT20 2*2MIMO Mode
Mode 13	TX 802.11ac-VHT40 2*2MIMO Mode
Mode 14	TX 802.11ac-VHT80 2*2MIMO Mode
Mode 15	TX 802.11ax-HE20 2*2MIMO Mode
Mode 16	TX 802.11ax-HE40 2*2MIMO Mode
Mode 17	TX 802.11ax-HE80 2*2MIMO Mode

1.5. Table for Supporting Units

No.	Equipment	Brand Name	Model Name	Manufacturer	Serial No.	Note
1	Laptop	HP	TPN-Q221	HP	5CD14347QB	FCC DOC

1.6. Laboratory Facilities

FCC-Registration No.: 406086

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until April 19th, 2023.

ISED Registration: 11185A-1

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until Jun. 30th, 2023.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

2. 47 CFR Part 15E Requirements

2.1. Antenna requirement

2.1.1. Applicable Standard

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

For fixed point-to-point U-NII devices operating in the band 5.725-5.850 GHz, may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

2.1.2. Antenna Information

Antenna Category: Internal Antenna

A internal Antenna was soldered to the antenna port of EUT via an adaptor cable, can't be removed.

Antenna General Information:

No.	EUT	Ant. Type	Operating frequency range	Antenna No.	Ant. Gain
1	LTE Indoor CPE	Internal	UNII-1, UNII-3	ANT 0/1	2.5dBi

2.1.3. Result: comply

The EUT has two permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

2.2. Maximum Conducted Output Power

2.2.1. Limit of Maximum Conducted Output Power

FCC Part 15.407(a)

The maximum conducted output power should not exceed:

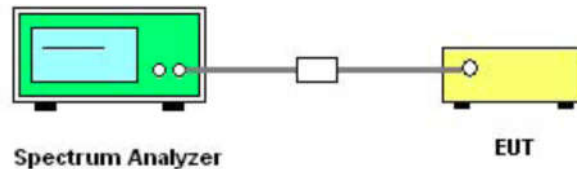
Band	EUT Category	Limit
U-NII-1	☐ Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21dBm) at any elevation angle above 30 degrees as measured from the horizon)
	☐ Fixed point-to-point Access device	1 Watt (30 dBm)
	☒ Indoor Access Point	1 Watt (30 dBm)
	☐ Mobile and portable client device	250mW (24 dBm)
U-NII-3	☒	1 Watt (30 dBm)

Note: B* is the 26 dB emission bandwidth in MHz.

2.2.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.2.3. Test Setup



2.2.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.E.2.b and ANSI C63.10-2013 Section 12.3.2.2.
2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Power is calculated by integrating over the spectrum of the entire 99% OBW signal using the instrument's band power measurement feature.
4. Set span to encompass the entire 99% OBW of the signal.
5. Set RBW = 1MHz, VBW $\geq$ 3MHz, Sweep time = Auto, Detector = power averaging (RMS).
6. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
7. Trace average at least 100 traces in power averaging (rms) mode.
8. Replace the EUT center frequency and repeat steps 3~7.



2.2.5. Test Results of Maximum Conducted Output Power

Please refer to APPENDIX A for detail

2.3. Power spectral density (PSD)

2.3.1. Limit of Power Spectral Density

FCC Part 15.407(a)

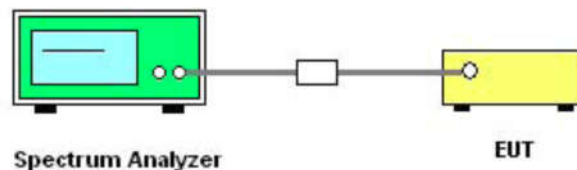
The maximum power spectral density should not exceed:

Band	EUT Category	Limit
U-NII-1	☐ Outdoor Access Point	17 dBm/MHz
	☐ Fixed point-to-point Access device	
	☒ Indoor Access Point	
	☐ Mobile and portable client device	11 dBm/MHz
U-NII-3	☒	30dBm/500kHz

2.3.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.3.3. Test Setup



2.3.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.F and ANSI C63.10-2013 Section 12.5.
2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set span to encompass the entire 99% OBW of the signal.
4. For U-NII-1 Band: Set RBW = 1MHz, VBW $\geq$ 3MHz, Sweep time = Auto, Detector = power averaging (RMS).
5. For U-NII-3 Band: Set RBW = 500kHz, VBW $\geq$ 3MHz, Sweep time = Auto, Detector = power averaging (RMS).
6. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
7. Trace average at least 100 traces in power averaging (rms) mode.
8. Use the peak search function on the instrument to find the peak of the spectrum.
9. Replace the EUT center frequency and repeat steps 3~8.

2.3.5. Test Result of Power Spectral Density

Please refer to APPENDIX A for detail

2.4. Emission Bandwidth and Occupied Bandwidth

2.4.1. Limit of Emission Bandwidth and Occupied Bandwidth

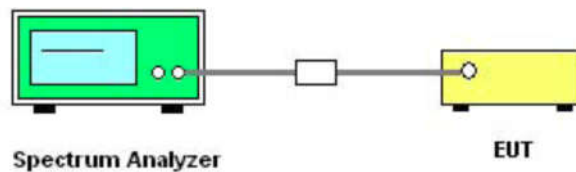
26dB Emission Bandwidth and 99% Occupied Bandwidth no Bandwidth limit.

The minimum 6dB bandwidth of U-NII-3 shall be at least 500 kHz.

2.4.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.4.3. Test Description



2.4.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.C.D and ANSI C63.10-2013 Section 12.4.
2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Use the spectrum analyzer “Channel Bandwidth” function to easurement the 26dB EBW, 6dB EBW and 99% OBW.
4. Set center frequency to the nominal EUT channel center frequency.
5. Set span = 1.5 times to 5.0 times the OBW or EBW.
6. For 26dB EBW and 99% OBW Measurement:
Set RBW = approximately 1% EBW or 1.5 times to 5.0 times the OBW, $VBW \geq 3 \times RBW$.
7. For 6dB EBW Measurement:
Set RBW =100kHz, $VBW \geq 3 \times RBW$.
8. Set Detector = Peak, Trace mode = max hold and Sweep time = auto couple.
9. Allow the trace to stabilize.
10. Replace the EUT center frequency and repeat steps 3~9.

2.4.5. Test Results of Emission Bandwidth and Occupied Bandwidth

Please refer to APPENDIX A for detail

2.5. Frequency Stability

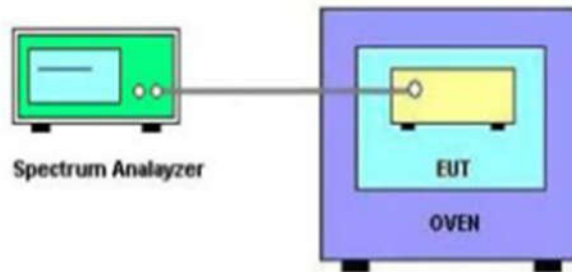
2.5.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

2.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.5.3. Test Setup



2.5.4. Test Procedures

1. The testing follows the of KDB 789033 D02 v02r01 Section II.A.3 and ANSI C63.10-2013 Section 6.8.
2. The EUT is installed in an environment test chamber with external power source, was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set the chamber to operate at 50°C and external power source to output at nominal voltage of EUT.
5. A sufficient stabilization period at each temperatures in used prior to each frequency measurement.
6. The test shall be performed under -30°C to 50°C and 85% to 115% of the nominal voltage. Change setting of chamber and external power source to complete all conditions.
7. Replace the EUT center frequency and repeat steps 3~6.

2.5.5. Test Result of Frequency Stability

Please refer to APPENDIX A for detail

2.6. Radiated Band Edge and Spurious Emission

2.6.1. Limit of Radiated Band Edges and Spurious Emission

Radiated emission which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level ($\mu\text{V/m}$).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

FCC Part 15.407(b)			
Frequency Band (MHz)	Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength @3m (dB $\mu\text{V/m}$)
5150 - 5250	Outside of the 5.15~5.35 GHz	-27	68.2
5725 - 5850	< 5650	-27	68.2
	5650~5700	-27~10	68.2~105.2
	5700~5720	10~15.6	105.2~110.8
	5720~5725	15.6~27	110.8~122.2
	5850~5855	27~15.6	122.2~110.8
	5855~5875	15.6~10	110.8~105.2
	5875~5925	10~-27	105.2~68.2
	> 5925	-27	68.2

Note:

- 1) $\text{EIRP}[\text{dBm}] = \text{E}[\text{dB}\mu\text{V/m}] + 20 \log(d[\text{m}]) - 104.77$, d is the measurement distance in m.
- 2) $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 68.2 \text{ dB}\mu\text{V/m}$, for $\text{EIRP}[\text{dBm}] = -27\text{dBm}$.
 $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 105.2 \text{ dB}\mu\text{V/m}$, for $\text{EIRP}[\text{dBm}] = 10\text{dBm}$.
 $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 110.8 \text{ dB}\mu\text{V/m}$, for $\text{EIRP}[\text{dBm}] = 15.6\text{dBm}$.
 $\text{E}[\text{dB}\mu\text{V/m}] = \text{EIRP}[\text{dBm}] + 95.2 = 122.2 \text{ dB}\mu\text{V/m}$, for $\text{EIRP}[\text{dBm}] = 27\text{dBm}$.

Applicable To	Limit	
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	Field Strength at 3m	
	PK: 68.2(dBμV/m)	AV: 54 (dBμV/m)

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41	/	/	/

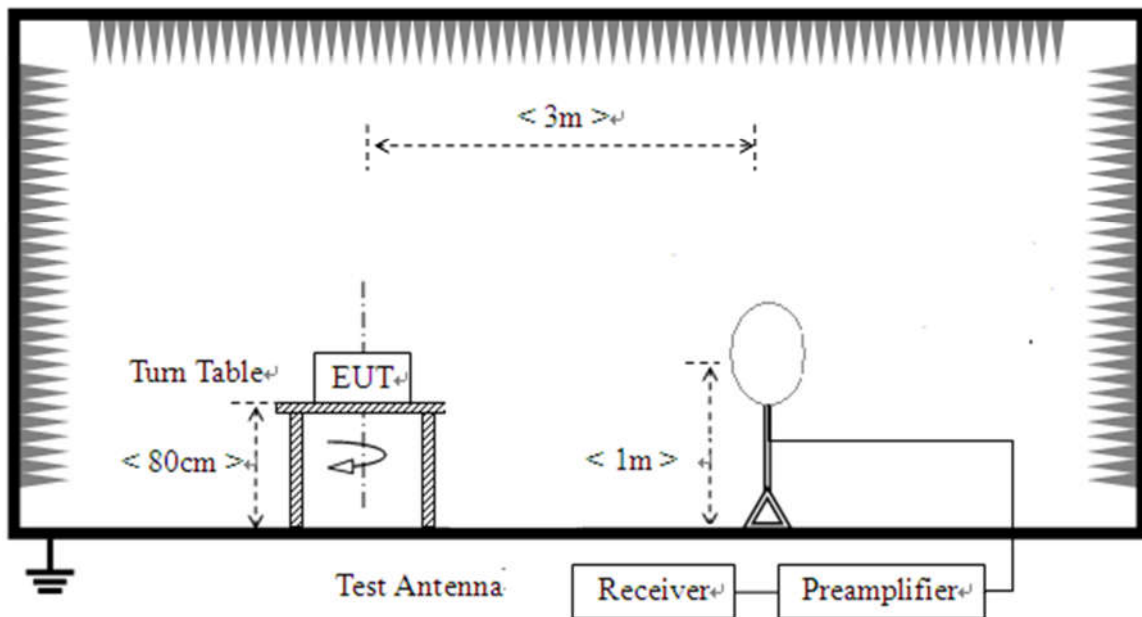
Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
²Above 38.6.

2.6.2. Measuring Instruments

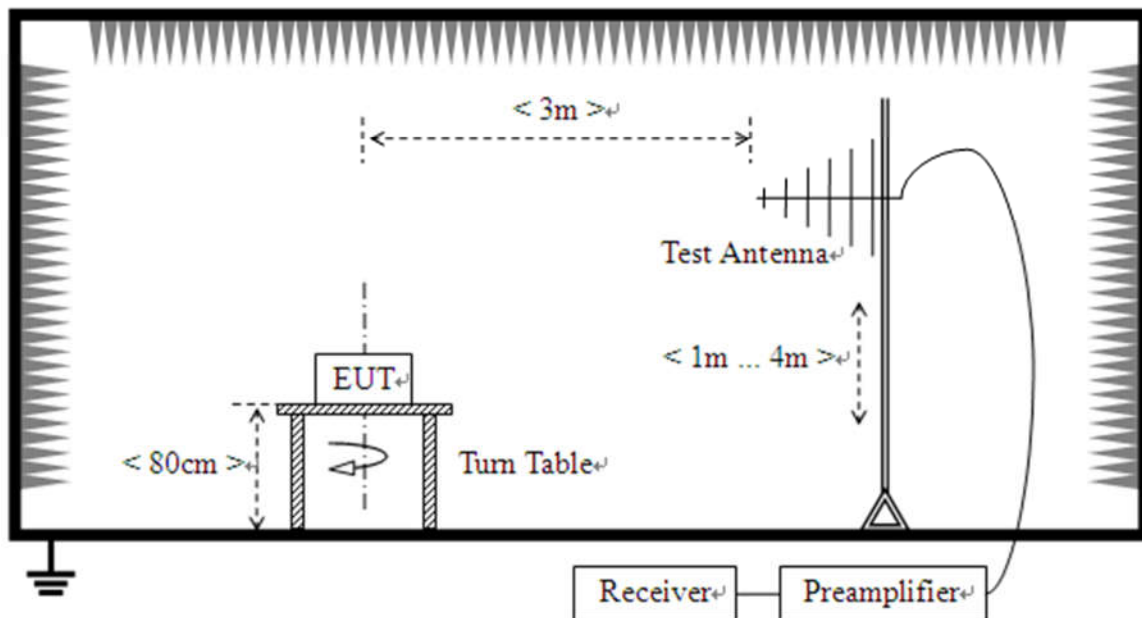
The measuring equipment is listed in the section 3 of this test report.

2.6.3. Test Setup

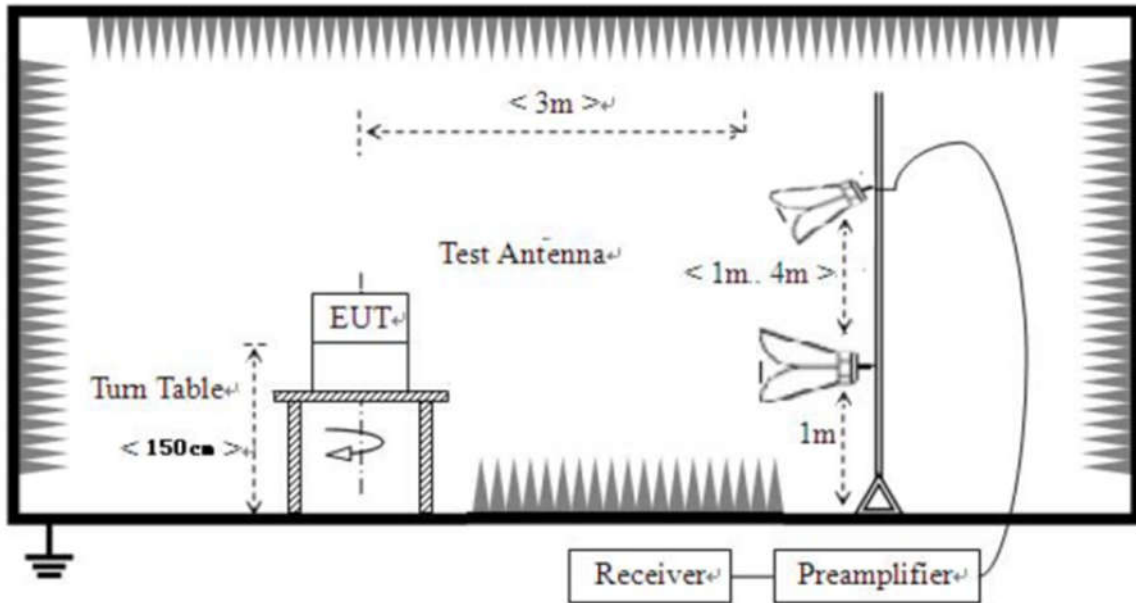
For radiated emissions from 9 kHz to 30 MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



2.6.4. Test Procedures

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
6. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.

2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
5. Only worst-Case mode data provide here, 802.11a (20MHz) 5180MHz for Below 1GHz.

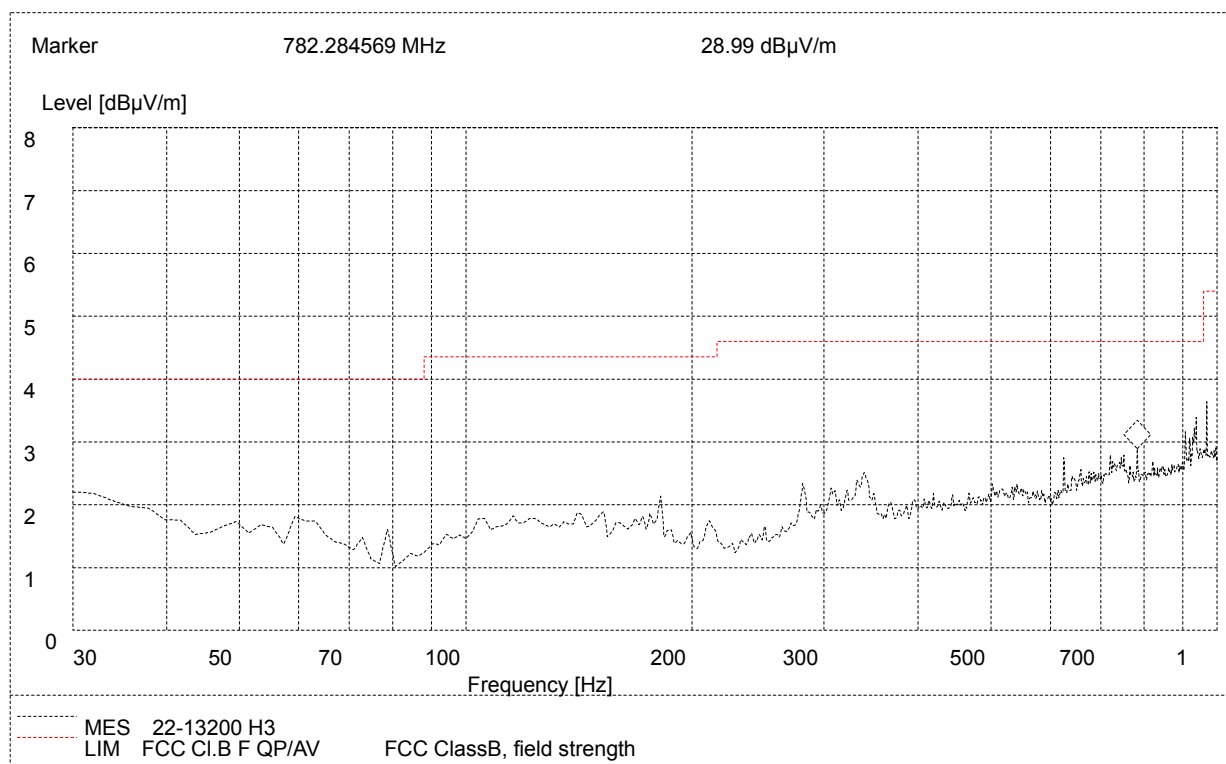
2.6.5. Test Result of Radiated Band Edge and Spurious Emission

NOTE 1: For 9 kHz to 30MHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

NOTE 2: For 30MHz to 1GHz, All of the EUT Configure mode were tested and found 802.11a-Ant1 5745MHz channel is the worst mode, the worst case is recorded in this report.

NOTE 3: Antenna height and turntable angle are the worst positions, the worst case is recorded in this report.

For 30MHz to 1000 MHz

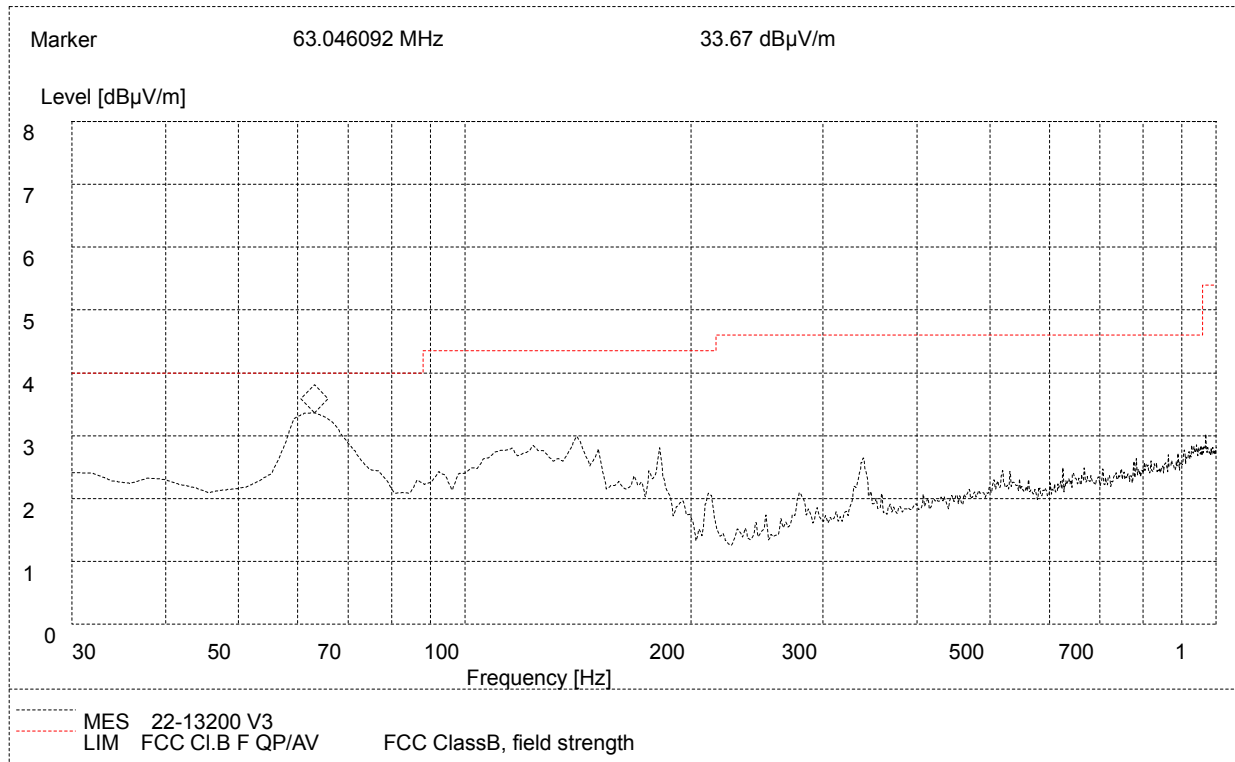


Frequency (MHz)	QuasiPeak (dB μ V/m)	Bandwidth (kHz)	Corr.Factor (dB/m)	Antenna height (cm)	Limit (dB μ V/m)	Margin (dB)	Polarity
30.000000	21.16	120.000	19.3	100.0	40.0	18.84	Horizontal
59.530000	17.35	120.000	6.1	100.0	40.0	22.65	Horizontal
140.530000	18.30	120.000	12.6	100.0	43.5	25.20	Horizontal
181.530000	21.14	120.000	11.0	100.0	43.5	22.36	Horizontal
339.560000	25.13	120.000	16.9	100.0	46.0	20.87	Horizontal
782.650000	29.65	120.000	22.1	100.0	46.0	16.35	Horizontal

Test Result : Pass

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB).
3. Margin value = Limit value - Emission Level.
4. The other emission levels were very low against the limit.



Frequency (MHz)	QuasiPeak (dB μ V/m)	Bandwidth (kHz)	Corr.Factor (dB/m)	Antenna height (cm)	Limit (dB μ V/m)	Margin (dB)	Polarity
30.000000	21.56	120.000	19.3	100.0	40.0	18.44	Vertical
61.830000	32.56	120.000	6.1	100.0	40.0	7.44	Vertical
140.530000	29.53	120.000	12.6	100.0	43.5	13.97	Vertical
181.530000	27.69	120.000	11.0	100.0	43.5	15.81	Vertical
339.562600	26.43	120.000	16.9	100.0	46.0	19.57	Vertical
667.830000	24.83	120.000	21.8	100.0	46.0	21.17	Vertical

Test Result : Pass

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB).
3. Margin value = Limit value - Emission Level.
4. The other emission levels were very low against the limit.

For 1GHz to 40 GHz

U-NII-1_802.11a_5180MHz - ANT0									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.71	68.20	-9.49	1.60	260	51.21	7.50	Horizontal	Peak
5150.00	47.54	54.00	-6.46	1.60	260	40.04	7.50	Horizontal	Average
10360.00	53.19	68.20	-15.01	1.60	260	33.39	19.80	Horizontal	Peak
10360.00	45.77	54.00	-8.23	1.60	260	25.97	19.80	Horizontal	Average
5150.00	59.45	68.20	-8.75	1.50	120	51.95	7.50	Vertical	Peak
5150.00	47.58	54.00	-6.42	1.50	120	40.08	7.50	Vertical	Average
10360.00	52.51	68.20	-15.69	1.50	120	32.71	19.80	Vertical	Peak
10360.00	45.27	54.00	-8.73	1.50	120	25.47	19.80	Vertical	Average
U-NII-1_802.11a_5220MHz - ANT0									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.76	68.20	-14.44	1.60	200	33.86	19.90	Horizontal	Peak
10440.00	45.96	54.00	-8.04	1.60	200	26.06	19.90	Horizontal	Average
10440.00	52.50	68.20	-15.70	1.70	180	32.60	19.90	Vertical	Peak
10440.00	44.62	54.00	-9.38	1.70	180	24.72	19.90	Vertical	Average
U-NII-1_802.11a_5240MHz - ANT0									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.08	68.20	-9.12	1.60	260	51.08	8.00	Horizontal	Peak
5350.00	48.02	54.00	-5.98	1.60	260	40.02	8.00	Horizontal	Average
10480.00	53.65	68.20	-14.55	1.60	260	33.75	19.90	Horizontal	Peak
10480.00	46.40	54.00	-7.60	1.60	260	26.50	19.90	Horizontal	Average
5350.00	59.09	68.20	-9.11	1.50	120	51.09	8.00	Vertical	Peak
5350.00	47.74	54.00	-6.26	1.50	120	39.74	8.00	Vertical	Average
10480.00	53.09	68.20	-15.11	1.50	120	33.19	19.90	Vertical	Peak
10480.00	45.08	54.00	-8.92	1.50	120	25.18	19.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-1_802.11a_5180MHz - ANT1

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.47	68.20	-9.73	1.60	260	50.97	7.50	Horizontal	Peak
5150.00	46.84	54.00	-7.16	1.60	260	39.34	7.50	Horizontal	Average
10360.00	54.14	68.20	-14.06	1.60	260	34.34	19.80	Horizontal	Peak
10360.00	46.30	54.00	-7.70	1.60	260	26.50	19.80	Horizontal	Average
5150.00	59.77	68.20	-8.43	1.50	120	52.27	7.50	Vertical	Peak
5150.00	46.67	54.00	-7.33	1.50	120	39.17	7.50	Vertical	Average
10360.00	52.37	68.20	-15.83	1.50	120	32.57	19.80	Vertical	Peak
10360.00	46.31	54.00	-7.69	1.50	120	26.51	19.80	Vertical	Average

U-NII-1_802.11a_5220MHz - ANT1

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.50	68.20	-14.70	1.60	260	33.60	19.90	Horizontal	Peak
10440.00	46.26	54.00	-7.74	1.60	260	26.36	19.90	Horizontal	Average
10440.00	52.49	68.20	-15.71	1.50	120	32.59	19.90	Vertical	Peak
10440.00	45.07	54.00	-8.93	1.50	120	25.17	19.90	Vertical	Average

U-NII-1_802.11a_5240MHz - ANT1

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.39	68.20	-8.81	1.60	260	51.39	8.00	Horizontal	Peak
5350.00	47.47	54.00	-6.53	1.60	260	39.47	8.00	Horizontal	Average
10480.00	54.14	68.20	-14.06	1.60	260	34.24	19.90	Horizontal	Peak
10480.00	44.97	54.00	-9.03	1.60	260	25.07	19.90	Horizontal	Average
5350.00	59.20	68.20	-9.00	1.50	120	51.20	8.00	Vertical	Peak
5350.00	46.08	54.00	-7.92	1.50	120	38.08	8.00	Vertical	Average
10480.00	53.97	68.20	-14.23	1.50	120	34.07	19.90	Vertical	Peak
10480.00	45.14	54.00	-8.86	1.50	120	25.24	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

U-NII-1_802.11n-HT20_5180MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	59.07	68.20	-9.13	1.60	260	51.57	7.50	Horizontal	Peak
5150.00	47.51	54.00	-6.49	1.60	260	40.01	7.50	Horizontal	Average
10360.00	53.38	68.20	-14.82	1.60	260	33.58	19.80	Horizontal	Peak
10360.00	46.25	54.00	-7.75	1.60	260	26.45	19.80	Horizontal	Average
5150.00	59.44	68.20	-8.76	1.50	120	51.94	7.50	Vertical	Peak
5150.00	47.59	54.00	-6.41	1.50	120	40.09	7.50	Vertical	Average
10360.00	52.74	68.20	-15.46	1.50	120	32.94	19.80	Vertical	Peak
10360.00	45.58	54.00	-8.42	1.50	120	25.78	19.80	Vertical	Average

U-NII-1_802.11n-HT20_5220MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.49	68.20	-14.71	1.60	260	33.59	19.90	Horizontal	Peak
10440.00	45.64	54.00	-8.36	1.60	260	25.74	19.90	Horizontal	Average
10440.00	52.63	68.20	-15.57	1.50	120	32.73	19.90	Vertical	Peak
10440.00	44.39	54.00	-9.61	1.50	120	24.49	19.90	Vertical	Average

U-NII-1_802.11n-HT20_5240MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.05	68.20	-9.15	1.60	260	51.05	8.00	Horizontal	Peak
5350.00	48.06	54.00	-5.94	1.60	260	40.06	8.00	Horizontal	Average
10480.00	53.63	68.20	-14.57	1.60	260	33.73	19.90	Horizontal	Peak
10480.00	45.98	54.00	-8.02	1.60	260	26.08	19.90	Horizontal	Average
5350.00	58.91	68.20	-9.29	1.50	120	50.91	8.00	Vertical	Peak
5350.00	47.32	54.00	-6.68	1.50	120	39.32	8.00	Vertical	Average
10480.00	53.43	68.20	-14.77	1.50	120	33.53	19.90	Vertical	Peak
10480.00	45.01	54.00	-8.99	1.50	120	25.11	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-1_802.11ac-VHT20_5180MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.98	68.20	-9.22	1.60	260	51.48	7.50	Horizontal	Peak
5150.00	47.30	54.00	-6.70	1.60	260	39.80	7.50	Horizontal	Average
10360.00	52.93	68.20	-15.27	1.60	260	33.13	19.80	Horizontal	Peak
10360.00	46.43	54.00	-7.57	1.60	260	26.63	19.80	Horizontal	Average
5150.00	59.82	68.20	-8.38	1.50	120	52.32	7.50	Vertical	Peak
5150.00	47.09	54.00	-6.91	1.50	120	39.59	7.50	Vertical	Average
10360.00	52.67	68.20	-15.53	1.50	120	32.87	19.80	Vertical	Peak
10360.00	45.49	54.00	-8.51	1.50	120	25.69	19.80	Vertical	Average

U-NII-1_802.11ac-VHT20_5220MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.81	68.20	-14.39	1.60	260	33.91	19.90	Horizontal	Peak
10440.00	46.05	54.00	-7.95	1.60	260	26.15	19.90	Horizontal	Average
10440.00	53.00	68.20	-15.20	1.50	120	33.10	19.90	Vertical	Peak
10440.00	44.73	54.00	-9.27	1.50	120	24.83	19.90	Vertical	Average

U-NII-1_802.11ac-VHT20_5240MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.10	68.20	-9.10	1.60	260	51.10	8.00	Horizontal	Peak
5350.00	47.56	54.00	-6.44	1.60	260	39.56	8.00	Horizontal	Average
10480.00	53.78	68.20	-14.42	1.60	260	33.88	19.90	Horizontal	Peak
10480.00	45.81	54.00	-8.19	1.60	260	25.91	19.90	Horizontal	Average
5350.00	58.95	68.20	-9.25	1.50	120	50.95	8.00	Vertical	Peak
5350.00	47.46	54.00	-6.54	1.50	120	39.46	8.00	Vertical	Average
10480.00	52.97	68.20	-15.23	1.50	120	33.07	19.90	Vertical	Peak
10480.00	44.78	54.00	-9.22	1.50	120	24.88	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-1_802.11ax-HE20_5180MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.70	68.20	-9.50	1.60	260	51.20	7.50	Horizontal	Peak
5150.00	47.24	54.00	-6.76	1.60	260	39.74	7.50	Horizontal	Average
10360.00	53.29	68.20	-14.91	1.60	260	33.49	19.80	Horizontal	Peak
10360.00	46.05	54.00	-7.95	1.60	260	26.25	19.80	Horizontal	Average
5150.00	59.89	68.20	-8.31	1.50	120	52.39	7.50	Vertical	Peak
5150.00	46.64	54.00	-7.36	1.50	120	39.14	7.50	Vertical	Average
10360.00	52.86	68.20	-15.34	1.50	120	33.06	19.80	Vertical	Peak
10360.00	45.75	54.00	-8.25	1.50	120	25.95	19.80	Vertical	Average

U-NII-1_802.11ax-HE20_5220MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
10440.00	53.73	68.20	-14.47	1.60	260	33.83	19.90	Horizontal	Peak
10440.00	46.26	54.00	-7.74	1.60	260	26.36	19.90	Horizontal	Average
10440.00	52.64	68.20	-15.56	1.50	120	32.74	19.90	Vertical	Peak
10440.00	44.64	54.00	-9.36	1.50	120	24.74	19.90	Vertical	Average

U-NII-1_802.11ax-HE20_5240MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.26	68.20	-8.94	1.60	260	51.26	8.00	Horizontal	Peak
5350.00	47.74	54.00	-6.26	1.60	260	39.74	8.00	Horizontal	Average
10480.00	53.65	68.20	-14.55	1.60	260	33.75	19.90	Horizontal	Peak
10480.00	45.43	54.00	-8.57	1.60	260	25.53	19.90	Horizontal	Average
5350.00	59.26	68.20	-8.94	1.50	120	51.26	8.00	Vertical	Peak
5350.00	46.99	54.00	-7.01	1.50	120	38.99	8.00	Vertical	Average
10480.00	53.41	68.20	-14.79	1.50	120	33.51	19.90	Vertical	Peak
10480.00	44.79	54.00	-9.21	1.50	120	24.89	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-1_802.11n-HT40_5190MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.66	68.20	-9.54	1.60	260	51.16	7.50	Horizontal	Peak
5150.00	47.30	54.00	-6.70	1.60	260	39.80	7.50	Horizontal	Average
10380.00	53.48	68.20	-14.72	1.60	260	33.68	19.80	Horizontal	Peak
10380.00	45.86	54.00	-8.14	1.60	260	26.06	19.80	Horizontal	Average
5150.00	59.87	68.20	-8.33	1.50	120	52.37	7.50	Vertical	Peak
5150.00	46.61	54.00	-7.39	1.50	120	39.11	7.50	Vertical	Average
10380.00	52.45	68.20	-15.75	1.50	120	32.65	19.80	Vertical	Peak
10380.00	45.56	54.00	-8.44	1.50	120	25.76	19.80	Vertical	Average

U-NII-1_802.11n-HT40_5230MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.69	68.20	-8.51	1.60	260	51.69	8.00	Horizontal	Peak
5350.00	47.75	54.00	-6.25	1.60	260	39.75	8.00	Horizontal	Average
10460.00	54.09	68.20	-14.11	1.60	260	34.19	19.90	Horizontal	Peak
10460.00	44.92	54.00	-9.08	1.60	260	25.02	19.90	Horizontal	Average
5350.00	59.50	68.20	-8.70	1.50	120	51.50	8.00	Vertical	Peak
5350.00	46.19	54.00	-7.81	1.50	120	38.19	8.00	Vertical	Average
10460.00	53.51	68.20	-14.69	1.50	120	33.61	19.90	Vertical	Peak
10460.00	44.83	54.00	-9.17	1.50	120	24.93	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-1_802.11ac-VHT40_5190MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.24	68.20	-9.96	1.60	260	50.74	7.50	Horizontal	Peak
5150.00	46.86	54.00	-7.14	1.60	260	39.36	7.50	Horizontal	Average
10380.00	53.83	68.20	-14.37	1.60	260	34.03	19.80	Horizontal	Peak
10380.00	45.93	54.00	-8.07	1.60	260	26.13	19.80	Horizontal	Average
5150.00	59.81	68.20	-8.39	1.50	120	52.31	7.50	Vertical	Peak
5150.00	46.52	54.00	-7.48	1.50	120	39.02	7.50	Vertical	Average
10380.00	52.65	68.20	-15.55	1.50	120	32.85	19.80	Vertical	Peak
10380.00	46.01	54.00	-7.99	1.50	120	26.21	19.80	Vertical	Average

U-NII-1_802.11ac-VHT40_5230MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.55	68.20	-8.65	1.60	260	51.55	8.00	Horizontal	Peak
5350.00	47.65	54.00	-6.35	1.60	260	39.65	8.00	Horizontal	Average
10460.00	53.69	68.20	-14.51	1.60	260	33.79	19.90	Horizontal	Peak
10460.00	45.08	54.00	-8.92	1.60	260	25.18	19.90	Horizontal	Average
5350.00	59.29	68.20	-8.91	1.50	120	51.29	8.00	Vertical	Peak
5350.00	46.55	54.00	-7.45	1.50	120	38.55	8.00	Vertical	Average
10460.00	53.08	68.20	-15.12	1.50	120	33.18	19.90	Vertical	Peak
10460.00	44.64	54.00	-9.36	1.50	120	24.74	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-1_802.11ax-HE40_5190MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.51	68.20	-9.69	1.60	260	51.01	7.50	Horizontal	Peak
5150.00	47.62	54.00	-6.38	1.60	260	40.12	7.50	Horizontal	Average
10380.00	53.39	68.20	-14.81	1.60	260	33.59	19.80	Horizontal	Peak
10380.00	46.24	54.00	-7.76	1.60	260	26.44	19.80	Horizontal	Average
5150.00	60.30	68.20	-7.90	1.50	120	52.80	7.50	Vertical	Peak
5150.00	46.36	54.00	-7.64	1.50	120	38.86	7.50	Vertical	Average
10380.00	52.74	68.20	-15.46	1.50	120	32.94	19.80	Vertical	Peak
10380.00	45.30	54.00	-8.70	1.50	120	25.50	19.80	Vertical	Average
U-NII-1_802.11ax-HE40_5230MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5350.00	59.43	68.20	-8.77	1.60	260	51.43	8.00	Horizontal	Peak
5350.00	47.93	54.00	-6.07	1.60	260	39.93	8.00	Horizontal	Average
10460.00	53.26	68.20	-14.94	1.60	260	33.36	19.90	Horizontal	Peak
10460.00	45.32	54.00	-8.68	1.60	260	25.42	19.90	Horizontal	Average
5350.00	59.54	68.20	-8.66	1.50	120	51.54	8.00	Vertical	Peak
5350.00	46.99	54.00	-7.01	1.50	120	38.99	8.00	Vertical	Average
10460.00	53.05	68.20	-15.15	1.50	120	33.15	19.90	Vertical	Peak
10460.00	44.72	54.00	-9.28	1.50	120	24.82	19.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 0 and ANT 1 is 2*2MIMO.									

U-NII-1_802.11ac-VHT80_5210MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.86	68.20	-9.34	1.60	260	51.36	7.50	Horizontal	Peak
5150.00	47.21	54.00	-6.79	1.60	260	39.71	7.50	Horizontal	Average
5350.00	59.16	68.20	-9.04	1.60	260	51.16	8.00	Horizontal	Peak
5350.00	47.21	54.00	-6.79	1.60	260	39.21	8.00	Horizontal	Average
10420.00	53.38	68.20	-14.82	1.60	260	33.48	19.90	Horizontal	Peak
10420.00	43.19	54.00	-10.81	1.60	260	23.29	19.90	Horizontal	Average
5150.00	58.49	68.20	-9.71	1.50	120	50.99	7.50	Vertical	Peak
5150.00	48.00	54.00	-6.00	1.50	120	40.50	7.50	Vertical	Average
5350.00	59.28	68.20	-8.92	1.50	120	51.28	8.00	Vertical	Peak
5350.00	47.86	54.00	-6.14	1.50	120	39.86	8.00	Vertical	Average
10420.00	53.06	68.20	-15.14	1.50	120	33.16	19.90	Vertical	Peak
10420.00	43.53	54.00	-10.47	1.50	120	23.63	19.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-1_802.11ax-HE80_5210MHz - 2x2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5150.00	58.67	68.20	-9.53	1.60	260	51.17	7.50	Horizontal	Peak
5150.00	46.90	54.00	-7.10	1.60	260	39.40	7.50	Horizontal	Average
5350.00	58.93	68.20	-9.27	1.60	260	50.93	8.00	Horizontal	Peak
5350.00	47.51	54.00	-6.49	1.60	260	39.51	8.00	Horizontal	Average
10420.00	53.35	68.20	-14.85	1.60	260	33.45	19.90	Horizontal	Peak
10420.00	43.39	54.00	-10.61	1.60	120	23.49	19.90	Horizontal	Average
5150.00	58.30	68.20	-9.90	1.50	120	50.80	7.50	Vertical	Peak
5150.00	48.05	54.00	-5.95	1.50	120	40.55	7.50	Vertical	Average
5350.00	59.14	68.20	-9.06	1.50	120	51.14	8.00	Vertical	Peak
5350.00	47.53	54.00	-6.47	1.50	120	39.53	8.00	Vertical	Average
10420.00	53.03	68.20	-15.17	1.50	120	33.13	19.90	Vertical	Peak
10420.00	43.13	54.00	-10.87	1.50	120	23.23	19.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 0 and ANT 1 is 2*2MIMO.									

U-NII-3_802.11a_5745MHz - ANT0									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	60.09	68.20	-8.11	1.60	260	50.63	9.46	Horizontal	Peak
5700.00	60.20	105.20	-45.00	1.60	260	50.61	9.59	Horizontal	Peak
5720.00	62.34	110.80	-48.46	1.60	260	52.70	9.64	Horizontal	Peak
5725.00	64.96	122.20	-57.24	1.60	260	55.31	9.65	Horizontal	Peak
11490.00	52.07	68.20	-16.13	1.60	260	30.37	21.70	Horizontal	Peak
11490.00	45.11	54.00	-8.89	1.60	260	23.41	21.70	Horizontal	Average
5650.00	60.93	68.20	-7.27	1.50	120	51.47	9.46	Vertical	Peak
5700.00	60.34	105.20	-44.86	1.50	120	50.75	9.59	Vertical	Peak
5720.00	60.01	110.80	-50.79	1.50	120	50.37	9.64	Vertical	Peak
5725.00	59.93	122.20	-62.27	1.50	120	50.28	9.65	Vertical	Peak
11490.00	53.00	68.20	-15.20	1.50	120	31.30	21.70	Vertical	Peak
11490.00	44.61	54.00	-9.39	1.50	120	22.91	21.70	Vertical	Average
U-NII-3_802.11a_5825MHz - ANT0									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	59.80	122.20	-62.40	1.60	260	50.02	9.78	Horizontal	Peak
5855.00	60.44	110.80	-50.36	1.60	260	50.65	9.79	Horizontal	Peak
5875.00	61.87	105.20	-43.33	1.60	260	52.03	9.84	Horizontal	Peak
5925.00	62.20	68.20	-6.00	1.60	260	52.23	9.97	Horizontal	Peak
11650.00	53.28	68.20	-14.92	1.60	260	31.38	21.90	Horizontal	Peak
11650.00	46.00	54.00	-8.00	1.60	260	24.10	21.90	Horizontal	Average
5850.00	61.84	122.20	-60.36	1.50	120	52.06	9.78	Vertical	Peak
5855.00	60.96	110.80	-49.84	1.50	120	51.17	9.79	Vertical	Peak
5875.00	60.11	105.20	-45.09	1.50	120	50.27	9.84	Vertical	Peak
5925.00	61.61	68.20	-6.59	1.50	120	51.64	9.97	Vertical	Peak
11650.00	54.27	68.20	-13.93	1.50	120	32.37	21.90	Vertical	Peak
11650.00	45.21	54.00	-8.79	1.50	120	23.31	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report.									

U-NII-3_802.11a_5745MHz - ANT1

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	61.15	68.20	-7.05	1.60	260	51.69	9.46	Horizontal	Peak
5700.00	60.46	105.20	-44.74	1.60	260	50.87	9.59	Horizontal	Peak
5720.00	63.83	110.80	-46.97	1.60	260	54.19	9.64	Horizontal	Peak
5725.00	64.67	122.20	-57.53	1.60	260	55.02	9.65	Horizontal	Peak
11490.00	52.51	68.20	-15.69	1.60	260	30.81	21.70	Horizontal	Peak
11490.00	45.43	54.00	-8.57	1.60	260	23.73	21.70	Horizontal	Average
5650.00	60.29	68.20	-7.91	1.50	120	50.83	9.46	Vertical	Peak
5700.00	59.44	105.20	-45.76	1.50	120	49.85	9.59	Vertical	Peak
5720.00	60.49	110.80	-50.31	1.50	120	50.85	9.64	Vertical	Peak
5725.00	59.42	122.20	-62.78	1.50	120	49.77	9.65	Vertical	Peak
11490.00	51.95	68.20	-16.25	1.50	120	30.25	21.70	Vertical	Peak
11490.00	43.83	54.00	-10.17	1.50	120	22.13	21.70	Vertical	Average

U-NII-3_802.11a_5825MHz - ANT1

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	61.31	122.20	-60.89	1.60	260	51.53	9.78	Horizontal	Peak
5855.00	60.66	110.80	-50.14	1.60	260	50.87	9.79	Horizontal	Peak
5875.00	62.11	105.20	-43.09	1.60	260	52.27	9.84	Horizontal	Peak
5925.00	61.23	68.20	-6.97	1.60	260	51.26	9.97	Horizontal	Peak
11650.00	52.62	68.20	-15.58	1.60	260	30.72	21.90	Horizontal	Peak
11650.00	45.68	54.00	-8.32	1.60	260	23.78	21.90	Horizontal	Average
5850.00	62.33	122.20	-59.87	1.50	120	52.55	9.78	Vertical	Peak
5855.00	59.82	110.80	-50.98	1.50	120	50.03	9.79	Vertical	Peak
5875.00	59.21	105.20	-45.99	1.50	120	49.37	9.84	Vertical	Peak
5925.00	62.53	68.20	-5.67	1.50	120	52.56	9.97	Vertical	Peak
11650.00	53.74	68.20	-14.46	1.50	120	31.84	21.90	Vertical	Peak
11650.00	45.95	54.00	-8.05	1.50	120	24.05	21.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

U-NII-3_802.11a_5785MHz - ANT0

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	55.26	68.20	-12.94	1.60	260	33.56	21.70	Horizontal	Peak
11570.00	47.51	54.00	-6.49	1.60	260	25.81	21.70	Horizontal	Average
11570.00	54.83	68.20	-13.37	1.50	120	33.13	21.70	Vertical	Peak
11570.00	47.60	54.00	-6.40	1.50	120	25.90	21.70	Vertical	Average

U-NII-3_802.11a_5785MHz - ANT1

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.82	68.20	-13.38	1.60	260	33.12	21.70	Horizontal	Peak
11570.00	47.21	54.00	-6.79	1.60	260	25.51	21.70	Horizontal	Average
11570.00	54.77	68.20	-13.43	1.50	120	33.07	21.70	Vertical	Peak
11570.00	48.33	54.00	-5.67	1.50	120	26.63	21.70	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

U-NII-3_802.11n-HT20_5745MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.68	68.20	-8.52	1.60	260	50.22	9.46	Horizontal	Peak
5700.00	60.15	105.20	-45.05	1.60	260	50.56	9.59	Horizontal	Peak
5720.00	62.36	110.80	-48.44	1.60	260	52.72	9.64	Horizontal	Peak
5725.00	64.82	122.20	-57.38	1.60	260	55.17	9.65	Horizontal	Peak
11490.00	52.37	68.20	-15.83	1.60	260	30.67	21.70	Horizontal	Peak
11490.00	44.81	54.00	-9.19	1.60	260	23.11	21.70	Horizontal	Average
5650.00	61.18	68.20	-7.02	1.50	120	51.72	9.46	Vertical	Peak
5700.00	60.63	105.20	-44.57	1.50	120	51.04	9.59	Vertical	Peak
5720.00	60.22	110.80	-50.58	1.50	120	50.58	9.64	Vertical	Peak
5725.00	59.70	122.20	-62.50	1.50	120	50.05	9.65	Vertical	Peak
11490.00	53.28	68.20	-14.92	1.50	120	31.58	21.70	Vertical	Peak
11490.00	44.60	54.00	-9.40	1.50	120	22.90	21.70	Vertical	Average

U-NII-3_802.11n-HT20_5825MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	59.64	122.20	-62.56	1.60	260	49.86	9.78	Horizontal	Peak
5855.00	60.89	110.80	-49.91	1.60	260	51.10	9.79	Horizontal	Peak
5875.00	62.33	105.20	-42.87	1.60	260	52.49	9.84	Horizontal	Peak
5925.00	62.51	68.20	-5.69	1.60	260	52.54	9.97	Horizontal	Peak
11650.00	53.08	68.20	-15.12	1.60	260	31.18	21.90	Horizontal	Peak
11650.00	46.31	54.00	-7.69	1.60	260	24.41	21.90	Horizontal	Average
5850.00	61.75	122.20	-60.45	1.50	120	51.97	9.78	Vertical	Peak
5855.00	61.31	110.80	-49.49	1.50	120	51.52	9.79	Vertical	Peak
5875.00	60.08	105.20	-45.12	1.50	120	50.24	9.84	Vertical	Peak
5925.00	61.25	68.20	-6.95	1.50	120	51.28	9.97	Vertical	Peak
11650.00	54.26	68.20	-13.94	1.50	120	32.36	21.90	Vertical	Peak
11650.00	45.63	54.00	-8.37	1.50	120	23.73	21.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-3_802.11ac-VHE20_5745MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	59.86	68.20	-8.34	1.60	260	50.40	9.46	Horizontal	Peak
5700.00	60.19	105.20	-45.01	1.60	260	50.60	9.59	Horizontal	Peak
5720.00	62.40	110.80	-48.40	1.60	260	52.76	9.64	Horizontal	Peak
5725.00	64.85	122.20	-57.35	1.60	260	55.20	9.65	Horizontal	Peak
11490.00	52.69	68.20	-15.51	1.60	260	30.99	21.70	Horizontal	Peak
11490.00	45.03	54.00	-8.97	1.60	260	23.33	21.70	Horizontal	Average
5650.00	61.13	68.20	-7.07	1.50	120	51.67	9.46	Vertical	Peak
5700.00	60.39	105.20	-44.81	1.50	120	50.80	9.59	Vertical	Peak
5720.00	60.59	110.80	-50.21	1.50	120	50.95	9.64	Vertical	Peak
5725.00	59.42	122.20	-62.78	1.50	120	49.77	9.65	Vertical	Peak
11490.00	52.82	68.20	-15.38	1.50	120	31.12	21.70	Vertical	Peak
11490.00	44.98	54.00	-9.02	1.50	120	23.28	21.70	Vertical	Average

U-NII-3_802.11ac-VHT20_5825MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.08	122.20	-62.12	1.60	260	50.30	9.78	Horizontal	Peak
5855.00	60.85	110.80	-49.95	1.60	260	51.06	9.79	Horizontal	Peak
5875.00	62.22	105.20	-42.98	1.60	260	52.38	9.84	Horizontal	Peak
5925.00	62.24	68.20	-5.96	1.60	260	52.27	9.97	Horizontal	Peak
11650.00	52.64	68.20	-15.56	1.60	260	30.74	21.90	Horizontal	Peak
11650.00	46.03	54.00	-7.97	1.60	260	24.13	21.90	Horizontal	Average
5850.00	62.15	122.20	-60.05	1.50	120	52.37	9.78	Vertical	Peak
5855.00	61.24	110.80	-49.56	1.50	120	51.45	9.79	Vertical	Peak
5875.00	59.95	105.20	-45.25	1.50	120	50.11	9.84	Vertical	Peak
5925.00	61.58	68.20	-6.62	1.50	120	51.61	9.97	Vertical	Peak
11650.00	54.49	68.20	-13.71	1.50	120	32.59	21.90	Vertical	Peak
11650.00	45.19	54.00	-8.81	1.50	120	23.29	21.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-3_802.11ax-HE20_5745MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	60.21	68.20	-7.99	1.60	260	50.75	9.46	Horizontal	Peak
5700.00	60.55	105.20	-44.65	1.60	260	50.96	9.59	Horizontal	Peak
5720.00	62.72	110.80	-48.08	1.60	260	53.08	9.64	Horizontal	Peak
5725.00	65.15	122.20	-57.05	1.60	260	55.50	9.65	Horizontal	Peak
11490.00	52.84	68.20	-15.36	1.60	260	31.14	21.70	Horizontal	Peak
11490.00	45.35	54.00	-8.65	1.60	260	23.65	21.70	Horizontal	Average
5650.00	61.39	68.20	-6.81	1.50	120	51.93	9.46	Vertical	Peak
5700.00	60.58	105.20	-44.62	1.50	120	50.99	9.59	Vertical	Peak
5720.00	60.48	110.80	-50.32	1.50	120	50.84	9.64	Vertical	Peak
5725.00	59.03	122.20	-63.17	1.50	120	49.38	9.65	Vertical	Peak
11490.00	52.35	68.20	-15.85	1.50	120	30.65	21.70	Vertical	Peak
11490.00	44.50	54.00	-9.50	1.50	120	22.80	21.70	Vertical	Average
U-NII-3_802.11ax-HE20_5825MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	61.09	122.20	-61.11	1.60	260	51.31	9.78	Horizontal	Peak
5855.00	60.85	110.80	-49.95	1.60	260	51.06	9.79	Horizontal	Peak
5875.00	61.85	105.20	-43.35	1.60	260	52.01	9.84	Horizontal	Peak
5925.00	61.56	68.20	-6.64	1.60	260	51.59	9.97	Horizontal	Peak
11650.00	52.23	68.20	-15.97	1.60	260	30.33	21.90	Horizontal	Peak
11650.00	45.90	54.00	-8.10	1.60	260	24.00	21.90	Horizontal	Average
5850.00	61.88	122.20	-60.32	1.50	120	52.10	9.78	Vertical	Peak
5855.00	59.88	110.80	-50.92	1.50	120	50.09	9.79	Vertical	Peak
5875.00	59.18	105.20	-46.02	1.50	120	49.34	9.84	Vertical	Peak
5925.00	62.33	68.20	-5.87	1.50	120	52.36	9.97	Vertical	Peak
11650.00	54.11	68.20	-14.09	1.50	120	32.21	21.90	Vertical	Peak
11650.00	45.69	54.00	-8.31	1.50	120	23.79	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 0 and ANT 1 is 2*2MIMO.									

U-NII-3_802.11n-HT20_5785MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.77	68.20	-13.43	1.60	260	33.07	21.70	Horizontal	Peak
11570.00	47.75	54.00	-6.25	1.60	260	26.05	21.70	Horizontal	Average
11570.00	55.11	68.20	-13.09	1.50	120	33.41	21.70	Vertical	Peak
11570.00	47.27	54.00	-6.73	1.50	120	25.57	21.70	Vertical	Average
U-NII-3_802.11ac-VHT20_5785MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.93	68.20	-13.27	1.60	260	33.23	21.70	Horizontal	Peak
11570.00	47.14	54.00	-6.86	1.60	260	25.44	21.70	Horizontal	Average
11570.00	55.17	68.20	-13.03	1.50	120	33.47	21.70	Vertical	Peak
11570.00	47.99	54.00	-6.01	1.50	120	26.29	21.70	Vertical	Average
U-NII-3_802.11ax-HE20_5785MHz - 2×2 MIMO									
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
11570.00	54.44	68.20	-13.76	1.60	260	32.74	21.70	Horizontal	Peak
11570.00	46.81	54.00	-7.19	1.60	260	25.11	21.70	Horizontal	Average
11570.00	54.77	68.20	-13.43	1.50	120	33.07	21.70	Vertical	Peak
11570.00	48.29	54.00	-5.71	1.50	120	26.59	21.70	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 0 and ANT 1 is 2*2MIMO.									

U-NII-3_802.11n-HT40_5755MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	60.58	68.20	-7.62	1.60	260	51.12	9.46	Horizontal	Peak
5700.00	60.48	105.20	-44.72	1.60	260	50.89	9.59	Horizontal	Peak
5720.00	63.27	110.80	-47.53	1.60	260	53.63	9.64	Horizontal	Peak
5725.00	64.65	122.20	-57.55	1.60	260	55.00	9.65	Horizontal	Peak
11510.00	52.76	68.20	-15.44	1.60	260	31.06	21.70	Horizontal	Peak
11510.00	45.68	54.00	-8.32	1.60	260	23.98	21.70	Horizontal	Average
5650.00	60.60	68.20	-7.60	1.50	120	51.14	9.46	Vertical	Peak
5700.00	59.80	105.20	-45.40	1.50	120	50.21	9.59	Vertical	Peak
5720.00	60.87	110.80	-49.93	1.50	120	51.23	9.64	Vertical	Peak
5725.00	59.16	122.20	-63.04	1.50	120	49.51	9.65	Vertical	Peak
11510.00	52.17	68.20	-16.03	1.50	120	30.47	21.70	Vertical	Peak
11510.00	44.36	54.00	-9.64	1.50	120	22.66	21.70	Vertical	Average

U-NII-3_802.11n-HT40_5795MHz - 2×2 MIMO

Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.02	122.20	-62.18	1.60	260	50.24	9.78	Horizontal	Peak
5855.00	60.69	110.80	-50.11	1.60	260	50.90	9.79	Horizontal	Peak
5875.00	62.19	105.20	-43.01	1.60	260	52.35	9.84	Horizontal	Peak
5925.00	61.81	68.20	-6.39	1.60	260	51.84	9.97	Horizontal	Peak
11590.00	52.63	68.20	-15.57	1.60	260	30.73	21.90	Horizontal	Peak
11590.00	46.11	54.00	-7.89	1.60	260	24.21	21.90	Horizontal	Average
5850.00	62.48	122.20	-59.72	1.50	120	52.70	9.78	Vertical	Peak
5855.00	60.75	110.80	-50.05	1.50	120	50.96	9.79	Vertical	Peak
5875.00	59.47	105.20	-45.73	1.50	120	49.63	9.84	Vertical	Peak
5925.00	62.07	68.20	-6.13	1.50	120	52.10	9.97	Vertical	Peak
11590.00	54.86	68.20	-13.34	1.50	120	32.96	21.90	Vertical	Peak
11590.00	45.28	54.00	-8.72	1.50	120	23.38	21.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-3_802.11ac-VHT40_5755MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	60.81	68.20	-7.39	1.60	260	51.35	9.46	Horizontal	Peak
5700.00	60.05	105.20	-45.15	1.60	260	50.46	9.59	Horizontal	Peak
5720.00	63.41	110.80	-47.39	1.60	260	53.77	9.64	Horizontal	Peak
5725.00	64.95	122.20	-57.25	1.60	260	55.30	9.65	Horizontal	Peak
11510.00	52.63	68.20	-15.57	1.60	260	30.93	21.70	Horizontal	Peak
11510.00	45.80	54.00	-8.20	1.60	260	24.10	21.70	Horizontal	Average
5650.00	60.66	68.20	-7.54	1.50	120	51.20	9.46	Vertical	Peak
5700.00	59.83	105.20	-45.37	1.50	120	50.24	9.59	Vertical	Peak
5720.00	60.60	110.80	-50.20	1.50	120	50.96	9.64	Vertical	Peak
5725.00	59.03	122.20	-63.17	1.50	120	49.38	9.65	Vertical	Peak
11510.00	52.07	68.20	-16.13	1.50	120	30.37	21.70	Vertical	Peak
11510.00	43.90	54.00	-10.10	1.50	120	22.20	21.70	Vertical	Average

U-NII-3_802.11ac-VHT40_5795MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.48	122.20	-61.72	1.60	260	50.70	9.78	Horizontal	Peak
5855.00	61.03	110.80	-49.77	1.60	260	51.24	9.79	Horizontal	Peak
5875.00	62.26	105.20	-42.94	1.60	260	52.42	9.84	Horizontal	Peak
5925.00	62.01	68.20	-6.19	1.60	260	52.04	9.97	Horizontal	Peak
11590.00	52.32	68.20	-15.88	1.60	260	30.42	21.90	Horizontal	Peak
11590.00	45.83	54.00	-8.17	1.60	260	23.93	21.90	Horizontal	Average
5850.00	62.28	122.20	-59.92	1.50	120	52.50	9.78	Vertical	Peak
5855.00	60.26	110.80	-50.54	1.50	120	50.47	9.79	Vertical	Peak
5875.00	59.83	105.20	-45.37	1.50	120	49.99	9.84	Vertical	Peak
5925.00	61.92	68.20	-6.28	1.50	120	51.95	9.97	Vertical	Peak
11590.00	54.99	68.20	-13.21	1.50	120	33.09	21.90	Vertical	Peak
11590.00	45.04	54.00	-8.96	1.50	120	23.14	21.90	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-3_802.11ax-HE40_5755MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	60.34	68.20	-7.86	1.60	260	50.88	9.46	Horizontal	Peak
5700.00	60.21	105.20	-44.99	1.60	260	50.62	9.59	Horizontal	Peak
5720.00	63.13	110.80	-47.67	1.60	260	53.49	9.64	Horizontal	Peak
5725.00	64.84	122.20	-57.36	1.60	260	55.19	9.65	Horizontal	Peak
11510.00	53.20	68.20	-15.00	1.60	260	31.50	21.70	Horizontal	Peak
11510.00	45.65	54.00	-8.35	1.60	260	23.95	21.70	Horizontal	Average
5650.00	61.10	68.20	-7.10	1.50	120	51.64	9.46	Vertical	Peak
5700.00	60.10	105.20	-45.10	1.50	120	50.51	9.59	Vertical	Peak
5720.00	60.80	110.80	-50.00	1.50	120	51.16	9.64	Vertical	Peak
5725.00	59.45	122.20	-62.75	1.50	120	49.80	9.65	Vertical	Peak
11510.00	52.65	68.20	-15.55	1.50	120	30.95	21.70	Vertical	Peak
11510.00	44.84	54.00	-9.16	1.50	120	23.14	21.70	Vertical	Average
U-NII-3_802.11ax-HE40_5795MHz - 2×2 MIMO									
Frequency (MHz)	Emssion Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5850.00	60.95	122.20	-61.25	1.60	260	51.17	9.78	Horizontal	Peak
5855.00	60.78	110.80	-50.02	1.60	260	50.99	9.79	Horizontal	Peak
5875.00	61.80	105.20	-43.40	1.60	260	51.96	9.84	Horizontal	Peak
5925.00	61.95	68.20	-6.25	1.60	260	51.98	9.97	Horizontal	Peak
11590.00	52.59	68.20	-15.61	1.60	260	30.69	21.90	Horizontal	Peak
11590.00	45.93	54.00	-8.07	1.60	260	24.03	21.90	Horizontal	Average
5850.00	61.91	122.20	-60.29	1.50	120	52.13	9.78	Vertical	Peak
5855.00	59.83	110.80	-50.97	1.50	120	50.04	9.79	Vertical	Peak
5875.00	59.57	105.20	-45.63	1.50	120	49.73	9.84	Vertical	Peak
5925.00	61.94	68.20	-6.26	1.50	120	51.97	9.97	Vertical	Peak
11590.00	54.51	68.20	-13.69	1.50	120	32.61	21.90	Vertical	Peak
11590.00	45.29	54.00	-8.71	1.50	120	23.39	21.90	Vertical	Average
Remark: 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m) 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) 3. Margin value = Emission Level – Limit value 4. The emission levels of other frequencies are very lower than the limit and not show in test report. 5. ANT 0 and ANT 1 is 2*2MIMO.									

U-NII-3_802.11ac-VHT80_5775MHz - 2x2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	58.62	68.20	-9.58	1.60	260	49.16	9.46	Horizontal	Peak
5700.00	61.18	105.20	-44.02	1.60	260	51.59	9.59	Horizontal	Peak
5720.00	59.48	110.80	-51.32	1.60	260	49.84	9.64	Horizontal	Peak
5725.00	58.80	122.20	-63.40	1.60	260	49.15	9.65	Horizontal	Peak
5850.00	59.62	122.20	-62.58	1.60	260	49.84	9.78	Horizontal	Peak
5855.00	60.40	110.80	-50.40	1.60	260	50.61	9.79	Horizontal	Peak
5875.00	60.88	105.20	-44.32	1.60	260	51.04	9.84	Horizontal	Peak
5925.00	60.50	68.20	-7.70	1.60	260	50.53	9.97	Horizontal	Peak
11550.00	53.28	68.20	-14.92	1.60	260	31.48	21.80	Horizontal	Peak
11550.00	44.79	54.00	-9.21	1.60	260	22.99	21.80	Horizontal	Average
5650.00	58.31	68.20	-9.89	1.50	120	48.85	9.46	Vertical	Peak
5700.00	59.07	105.20	-46.13	1.50	120	49.48	9.59	Vertical	Peak
5720.00	59.49	110.80	-51.31	1.50	120	49.85	9.64	Vertical	Peak
5725.00	60.32	122.20	-61.88	1.50	120	50.67	9.65	Vertical	Peak
5850.00	59.95	122.20	-62.25	1.50	120	50.17	9.78	Vertical	Peak
5855.00	59.54	110.80	-51.26	1.50	120	49.75	9.79	Vertical	Peak
5875.00	60.41	105.20	-44.79	1.50	120	50.57	9.84	Vertical	Peak
5925.00	60.40	68.20	-7.80	1.50	120	50.43	9.97	Vertical	Peak
11550.00	53.95	68.20	-14.25	1.50	120	32.15	21.80	Vertical	Peak
11550.00	46.44	54.00	-7.56	1.50	120	24.64	21.80	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

U-NII-3_802.11ax-HE80_5775MHz - 2×2 MIMO

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)	Polarity	Detector
5650.00	58.88	68.20	-9.32	1.60	260	49.42	9.46	Horizontal	Peak
5700.00	61.37	105.20	-43.83	1.60	260	51.78	9.59	Horizontal	Peak
5720.00	59.97	110.80	-50.83	1.60	260	50.33	9.64	Horizontal	Peak
5725.00	58.47	122.20	-63.73	1.60	260	48.82	9.65	Horizontal	Peak
5850.00	60.05	122.20	-62.15	1.60	260	50.27	9.78	Horizontal	Peak
5855.00	60.76	110.80	-50.04	1.60	260	50.97	9.79	Horizontal	Peak
5875.00	60.55	105.20	-44.65	1.60	260	50.71	9.84	Horizontal	Peak
5925.00	60.30	68.20	-7.90	1.60	260	50.33	9.97	Horizontal	Peak
11550.00	53.72	68.20	-14.48	1.60	260	31.92	21.80	Horizontal	Peak
11550.00	44.56	54.00	-9.44	1.60	260	22.76	21.80	Horizontal	Average
5650.00	58.22	68.20	-9.98	1.50	120	48.76	9.46	Vertical	Peak
5700.00	59.52	105.20	-45.68	1.50	120	49.93	9.59	Vertical	Peak
5720.00	59.58	110.80	-51.22	1.50	120	49.94	9.64	Vertical	Peak
5725.00	60.07	122.20	-62.13	1.50	120	50.42	9.65	Vertical	Peak
5850.00	59.92	122.20	-62.28	1.50	120	50.14	9.78	Vertical	Peak
5855.00	59.87	110.80	-50.93	1.50	120	50.08	9.79	Vertical	Peak
5875.00	60.61	105.20	-44.59	1.50	120	50.77	9.84	Vertical	Peak
5925.00	60.27	68.20	-7.93	1.50	120	50.30	9.97	Vertical	Peak
11550.00	54.39	68.20	-13.81	1.50	120	32.59	21.80	Vertical	Peak
11550.00	46.08	54.00	-7.92	1.50	120	24.28	21.80	Vertical	Average

Remark:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. ANT 0 and ANT 1 is 2*2MIMO.

2.7. AC Power Line Conducted Emission

2.7.1. Limit of AC Power Line Conducted Emission

FCC Part 15.207:

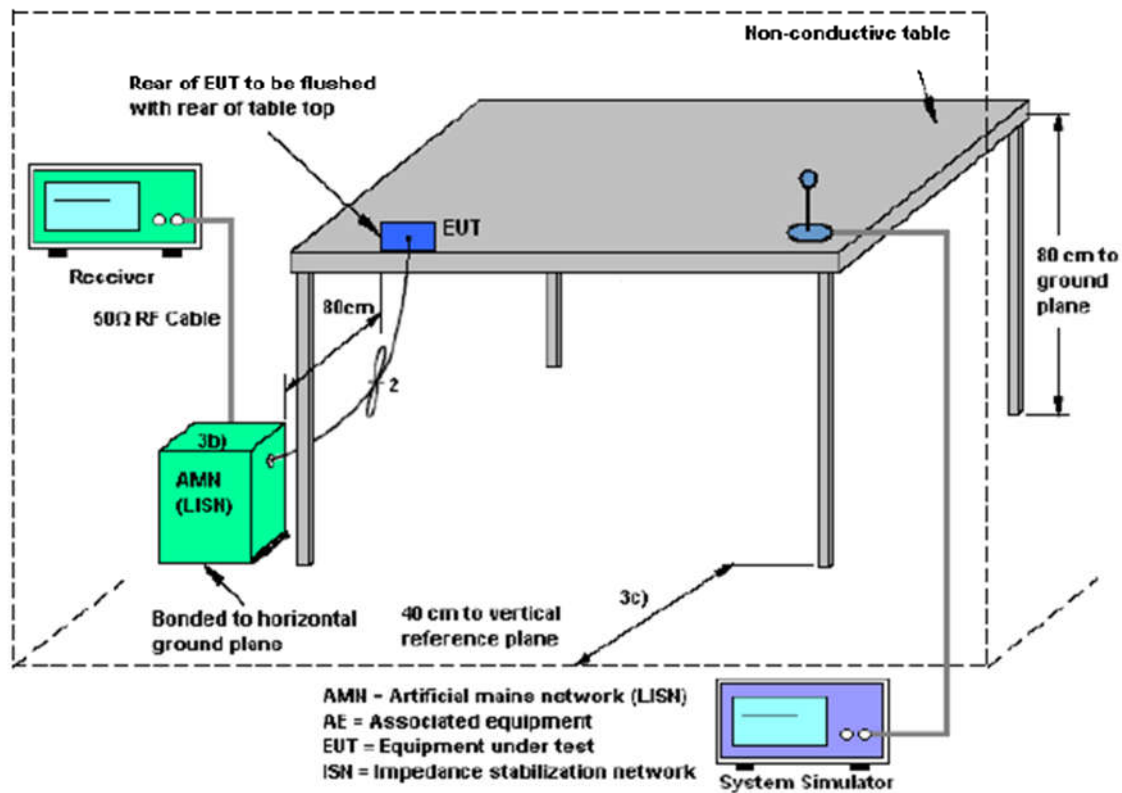
For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

2.7.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.7.3. Test Setup



2.7.4. Test Procedures

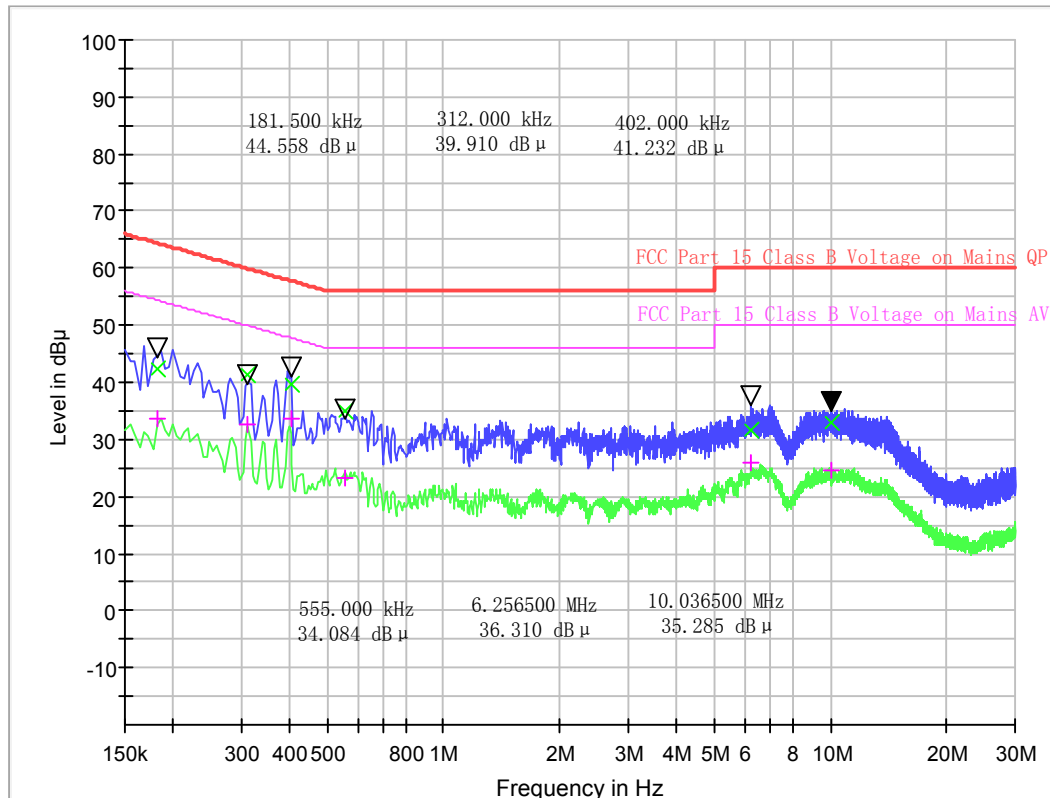
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

2.7.5. Test Result of AC Power Line Conducted Emission

NOTE 1: The EUT configuration of the emission tests is 5G WLAN Link + RJ45 Cable + Adapter.

NOTE 2: All of the EUT Configure mode were tested and found 802.11a-Ant1 5745MHz channel is the worst mode, the worst case is recorded in this report.

Line Phase



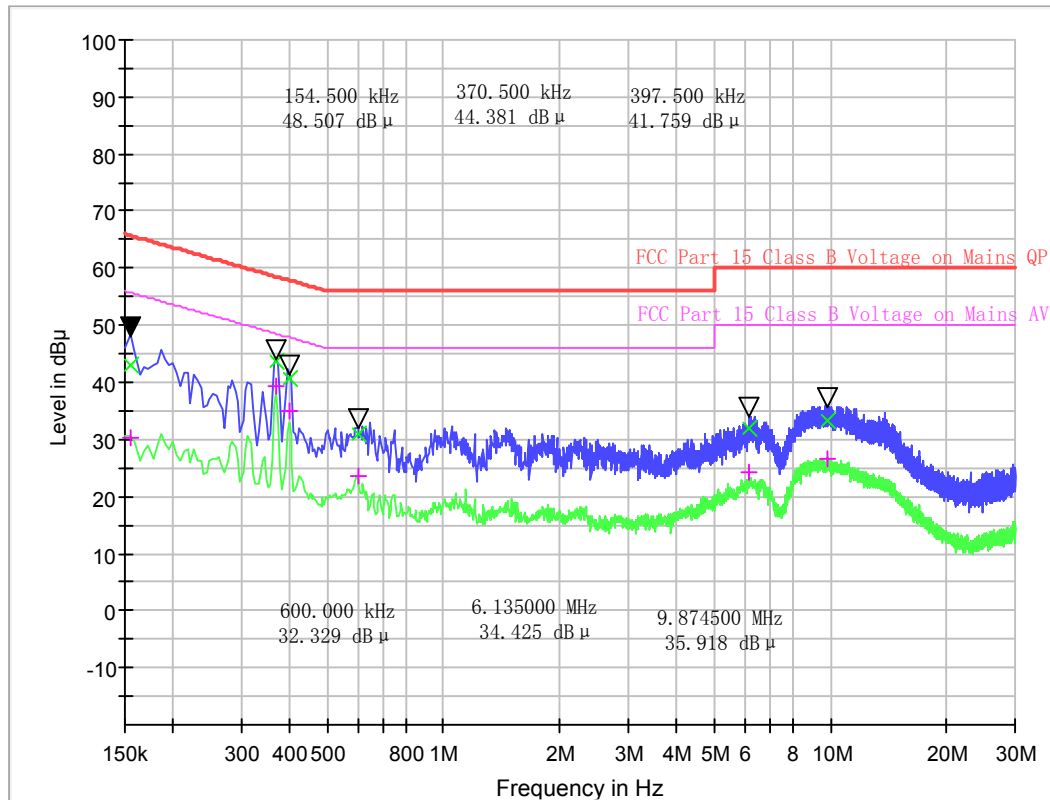
Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Cabel Loss (dB)	Corr.Factor (dB)	Margin - QPK (dB)	Limit - QPK (dB μ V)	Margin - AV (dB)	Limit - AV (dB μ V)
0.181500	42.47	33.62	0.2	10.2	21.95	64.4	20.80	54.4
0.312000	41.23	32.69	0.2	10.2	18.69	59.9	17.23	49.9
0.402000	39.83	33.76	0.2	10.2	17.98	57.8	14.05	47.8
0.555000	34.91	23.25	0.2	10.2	21.09	56.0	22.75	46.0
6.256500	31.63	25.85	0.5	10.5	28.37	60.0	24.15	50.0
10.036500	32.81	24.72	0.5	10.5	27.19	60.0	25.28	50.0

Test Result : Pass

Remark:

1. Correction factor = Cabel loss+ attenuation factor.
2. attenuation factor = 10dB.

Neutral Phase



Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Cabel Loss (dB)	Corr.Factor (dB)	Margin - QPK (dB)	Limit - QPK (dB μ V)	Margin - AV (dB)	Limit - AV (dB μ V)
0.154500	42.98	30.37	0.2	10.2	22.77	65.8	25.38	55.8
0.370500	43.80	39.43	0.2	10.2	14.69	58.5	9.06	48.5
0.397500	40.54	34.86	0.2	10.2	17.37	57.9	13.05	47.9
0.600000	30.92	23.67	0.2	10.2	25.08	56.0	22.33	46.0
6.135000	31.83	24.24	0.5	10.5	28.17	60.0	25.76	50.0
9.874500	33.41	26.64	0.5	10.5	26.59	60.0	23.36	50.0

Test Result : Pass

Remark:

1. Correction factor = Cabel loss+ attenuation factor.
2. attenuation factor = 10dB.

3. List of measuring equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Receiver	ROHDE&SCHWARZ	ESW26	A180502935	2022.07.21	2023.07.20
2	5M Anechoic Chamber	Albatross	SAC-5MAC 12.8x6.8x6.4m	A0304210	2019.03.25	2023.03.24
3	Loop Antenna	Schwarz beck	HFH2-Z2	A0304220	2022.05.02	2025.05.01
4	Broadband antenna (30MHz~1GHz)	R&S	HL562	A0304224	2020.06.19	2023.06.18
5	EMI Horn Ant. (1-18G)	ETC	1209	A150402241	2021.01.02	2024.01.01
6	Horn antenna (18GHz~26.5GHz)	AR	AT4510	A0804450	2020.06.19	2023.06.18
7	Amplifier 30M~1GHz	MILMEGA	80RF1000-10004	A140101634	2020.09.22	2023.09.21
8	Amplifier 1G~18GHz	MILMEGA	AS0104R-800/400	A160302517	2021.12.23	2022.12.22
9	Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2022.03.25	2023.03.24
10	Test Receiver	R&S	ESIB7	A0501375	2022.04.18	2023.04.17
11	Broadband Ant.	2786	ETC	A150402240	2021.09.16	2024.03.03
12	3M Anechoic Chamber	Albatross	SAC-3MAC 9*6*6m	A0412375	2019.03.26	2023.03.25
13	Temperature chamber	TABAI	PS-232	A8708054	2021.09.24	2022.09.23
14	Wideband Radio Communication tester	R&S	CMW500	A130101034	2021.01.26	2023.01.25
15	Test Receiver	KEYSIGHT	N9038A	A141202036	2022.07.21	2023.07.20
16	LISN	ROHDE&SCHWARZ	ENV216	A140701847	2022.07.21	2023.07.20
17	Cable	MATCHING PAD	W7	/	2022.07.21	2023.07.20

4. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence . The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of AC Power Line Conducted Emission Measurement (150kHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	2.8dB
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Uncertainty of Radiated Emission Measurement (9kHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.5dB
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Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.91dB
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Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.5dB
--	-------

Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.9dB
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Uncertainty of RF Conducted Measurement (9kHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	1.2dB
--	-------

Appendix A

Output power Test results

U-NII-1 AVGSA Output Power						
Mode	Frequency (MHz)	Ant	Max Power (dBm)	Total Power (dBm)	Limit (dBm)	Result
802.11n (20MHz)	5180	Ant0	16.29	19.32	30.00	Pass
802.11n (20MHz)	5180	Ant1	16.33			
802.11n (20MHz)	5220	Ant0	16.48	19.57	30.00	Pass
802.11n (20MHz)	5220	Ant1	16.63			
802.11n (20MHz)	5240	Ant0	16.22	19.30	30.00	Pass
802.11n (20MHz)	5240	Ant1	16.35			
802.11n (40MHz)	5190	Ant0	16.99	19.86	30.00	Pass
802.11n (40MHz)	5190	Ant1	16.70			
802.11n (40MHz)	5230	Ant0	16.78	19.65	30.00	Pass
802.11n (40MHz)	5230	Ant1	16.50			
802.11ac (20MHz)	5180	Ant0	16.74	19.58	30.00	Pass
802.11ac (20MHz)	5180	Ant1	16.39			
802.11ac (20MHz)	5220	Ant0	16.43	19.43	30.00	Pass
802.11ac (20MHz)	5220	Ant1	16.40			
802.11ac (20MHz)	5240	Ant0	16.20	19.23	30.00	Pass
802.11ac (20MHz)	5240	Ant1	16.23			
802.11ac (40MHz)	5190	Ant0	16.66	19.66	30.00	Pass
802.11ac (40MHz)	5190	Ant1	16.64			
802.11ac (40MHz)	5230	Ant0	16.39	19.43	30.00	Pass
802.11ac (40MHz)	5230	Ant1	16.45			
802.11ac (80MHz)	5210	Ant0	16.33	19.40	30.00	Pass
802.11ac (80MHz)	5210	Ant1	16.44			
802.11a (20MHz)	5180	Ant0	20.61	/	30.00	Pass
802.11a (20MHz)	5180	Ant1	20.40	/	30.00	Pass
802.11a (20MHz)	5220	Ant0	20.14	/	30.00	Pass
802.11a (20MHz)	5220	Ant1	20.04	/	30.00	Pass
802.11a (20MHz)	5240	Ant0	20.05	/	30.00	Pass
802.11a (20MHz)	5240	Ant1	20.41	/	30.00	Pass
802.11ax (20MHz)	5180	Ant0	16.91	19.76	30.00	Pass



802.11ax (20MHz)	5180	Ant1	16.59			
802.11ax (20MHz)	5220	Ant0	16.56	19.69	30.00	Pass
802.11ax (20MHz)	5220	Ant1	16.79			
802.11ax (20MHz)	5240	Ant0	16.35	19.36	30.00	Pass
802.11ax (20MHz)	5240	Ant1	16.34			
802.11ax (40MHz)	5190	Ant0	16.65	19.60	30.00	Pass
802.11ax (40MHz)	5190	Ant1	16.52			
802.11ax (40MHz)	5230	Ant0	16.36	19.30	30.00	Pass
802.11ax (40MHz)	5230	Ant1	16.22			
802.11ax (80MHz)	5210	Ant0	16.42	19.41	30.00	Pass
802.11ax (80MHz)	5210	Ant1	16.37			

Note:

1) Total Power = $10 \cdot \log \{10^{(\text{Ant 0 Max Power}/10)} + 10^{(\text{Ant 1 Max Power}/10)}\}$.



U-NII-3 AVGSA Output Power

Mode	Frequency (MHz)	Ant	Max Power (dBm)	Total Power (dBm)	Limit (dBm)	Result
802.11n (20MHz)	5745	Ant0	16.46	19.54	30.00	Pass
802.11n (20MHz)	5745	Ant1	16.59			
802.11n (20MHz)	5785	Ant0	16.72	19.56	30.00	Pass
802.11n (20MHz)	5785	Ant1	16.38			
802.11n (20MHz)	5825	Ant0	16.93	19.65	30.00	Pass
802.11n (20MHz)	5825	Ant1	16.32			
802.11n (40MHz)	5755	Ant0	16.47	19.55	30.00	Pass
802.11n (40MHz)	5755	Ant1	16.61			
802.11n (40MHz)	5795	Ant0	16.45	19.59	30.00	Pass
802.11n (40MHz)	5795	Ant1	16.70			
802.11ac (20MHz)	5745	Ant0	16.64	19.35	30.00	Pass
802.11ac (20MHz)	5745	Ant1	16.01			
802.11ac (20MHz)	5785	Ant0	16.41	19.60	30.00	Pass
802.11ac (20MHz)	5785	Ant1	16.77			
802.11ac (20MHz)	5825	Ant0	16.69	19.63	30.00	Pass
802.11ac (20MHz)	5825	Ant1	16.54			
802.11ac (40MHz)	5755	Ant0	16.24	19.50	30.00	Pass
802.11ac (40MHz)	5755	Ant1	16.73			
802.11ac (40MHz)	5795	Ant0	16.30	19.54	30.00	Pass
802.11ac (40MHz)	5795	Ant1	16.74			
802.11ac (80MHz)	5775	Ant0	16.27	19.30	30.00	Pass
802.11ac (80MHz)	5775	Ant1	16.31			
802.11a (20MHz)	5745	Ant0	20.42	/	30.00	Pass
802.11a (20MHz)	5745	Ant1	20.74	/	30.00	Pass
802.11a (20MHz)	5785	Ant0	20.57	/	30.00	Pass
802.11a (20MHz)	5785	Ant1	20.65	/	30.00	Pass
802.11a (20MHz)	5825	Ant0	20.38	/	30.00	Pass
802.11a (20MHz)	5825	Ant1	20.37	/	30.00	Pass
802.11ax (20MHz)	5745	Ant0	16.78	19.86	30.00	Pass
802.11ax (20MHz)	5745	Ant1	16.91			
802.11ax (20MHz)	5785	Ant0	16.49	19.55	30.00	Pass
802.11ax (20MHz)	5785	Ant1	16.59			



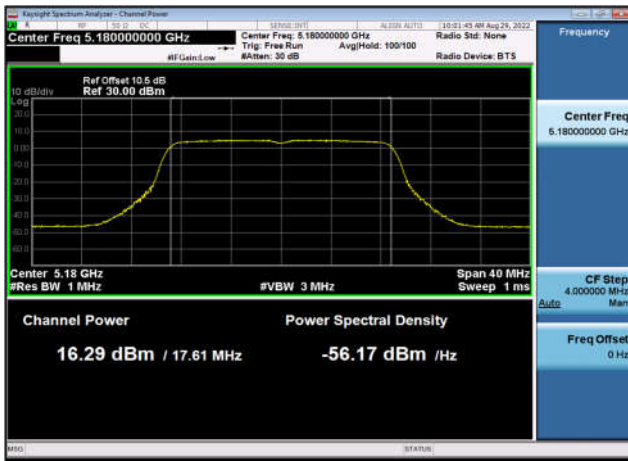
802.11ax (20MHz)	5825	Ant0	16.32	19.38	30.00	Pass
802.11ax (20MHz)	5825	Ant1	16.41			
802.11ax (40MHz)	5755	Ant0	16.39	19.43	30.00	Pass
802.11ax (40MHz)	5755	Ant1	16.44			
802.11ax (40MHz)	5795	Ant0	16.41	19.44	30.00	Pass
802.11ax (40MHz)	5795	Ant1	16.45			
802.11ax (80MHz)	5775	Ant0	16.44	19.44	30.00	Pass
802.11ax (80MHz)	5775	Ant1	16.41			

Note:

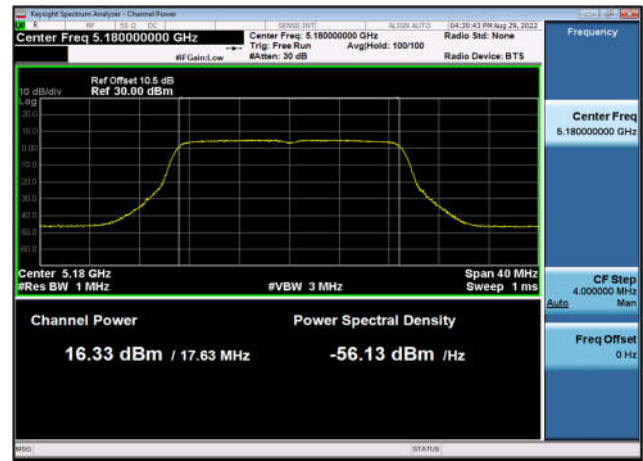
1) Total Power = $10 \cdot \log \{10^{(\text{Ant 0 Max Power}/10)} + 10^{(\text{Ant 1 Max Power}/10)}\}$.

Test plots

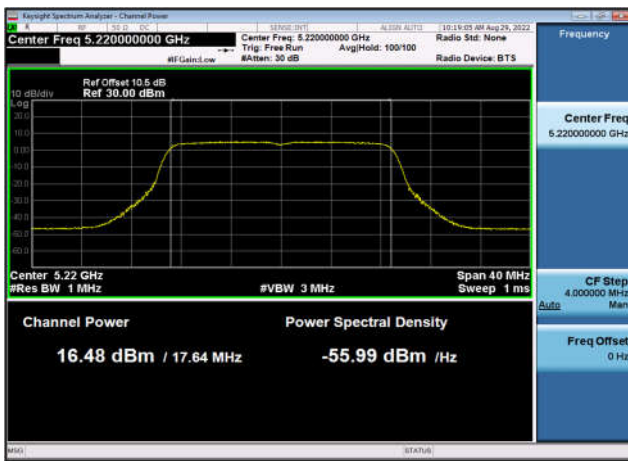
U-NII-1 Output Power-802.11n(20MHz)
,5180MHz,Ant0



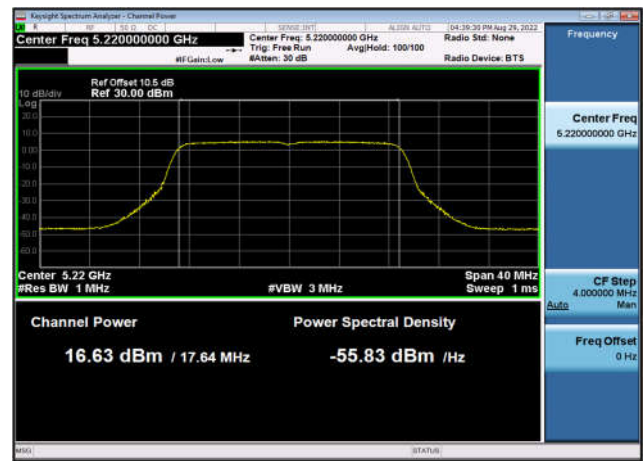
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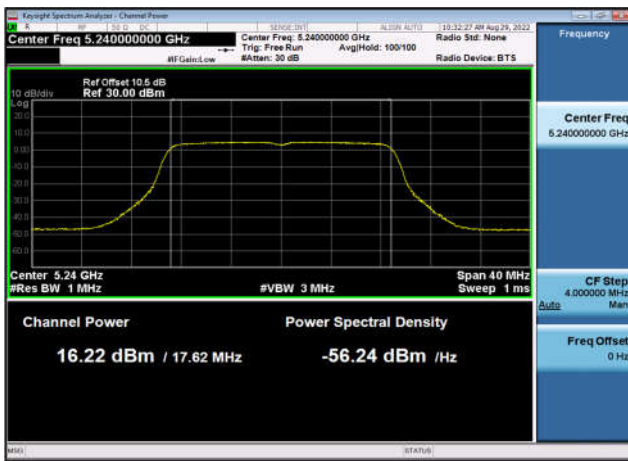
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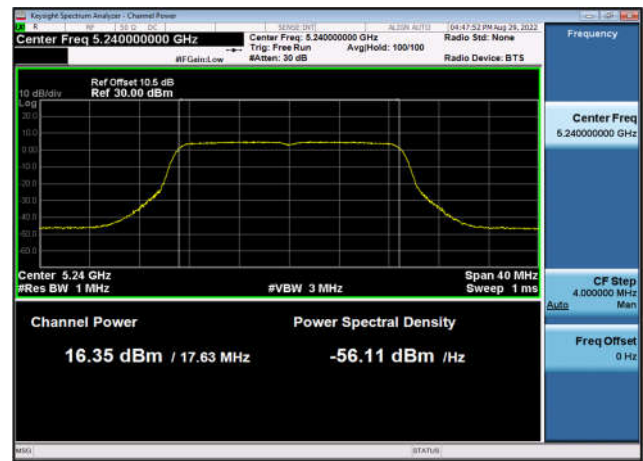
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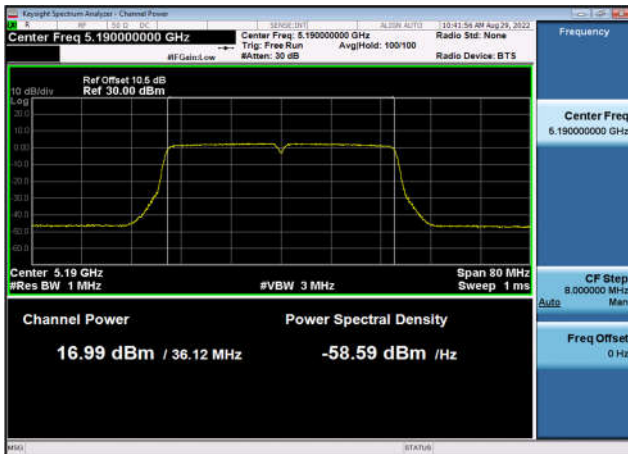
U-NII-1 Output Power-802.11n(20MHz)
,5240MHz,Ant0



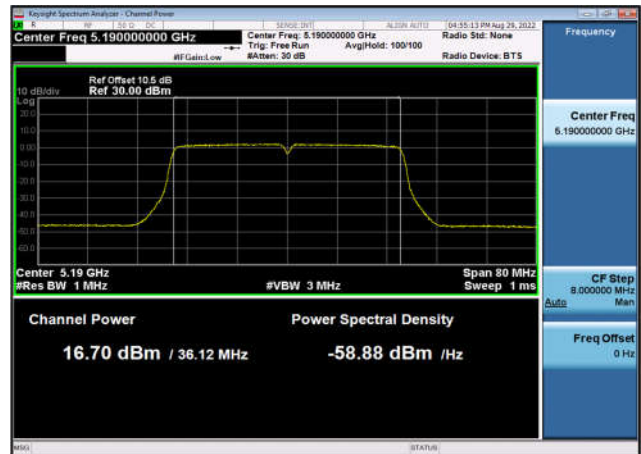
U-NII-1 Output Power-802.11n(20MHz)
,5240MHz,Ant1



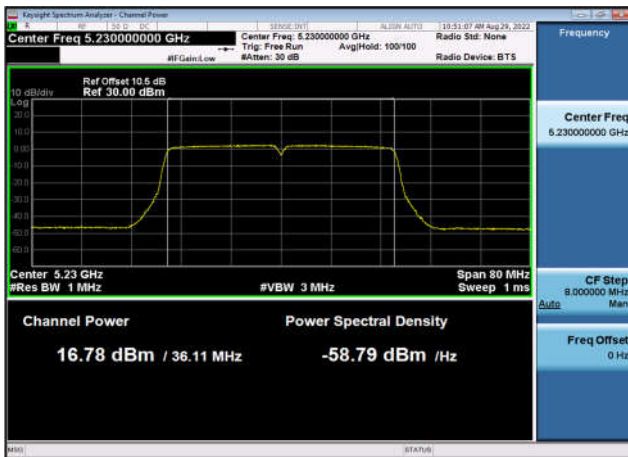
U-NII-1 Output Power-802.11n(40MHz)
,5190MHz,Ant0



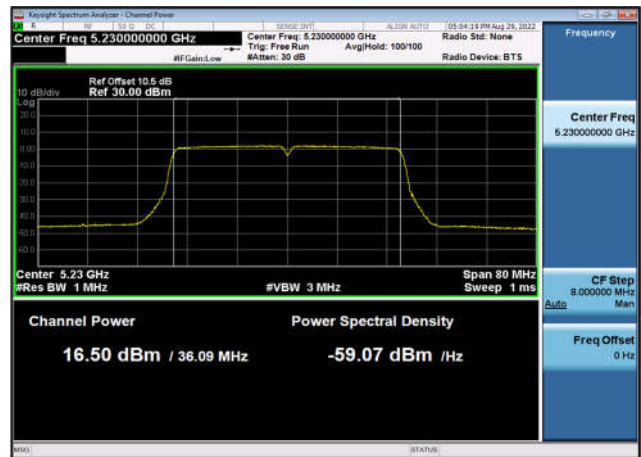
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,5190MHz,Ant1



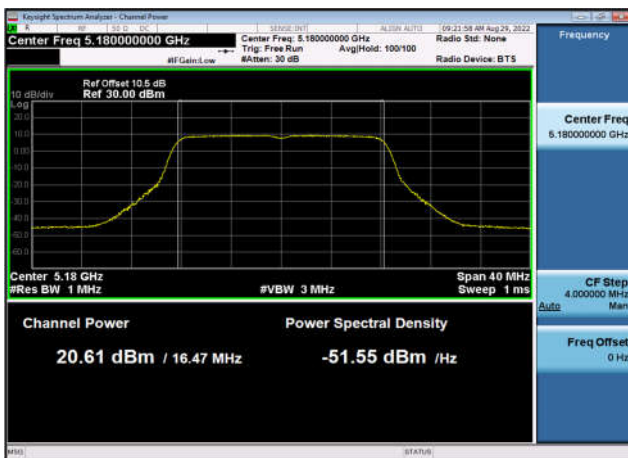
U-NII-1 Output Power-802.11n(40MHz)
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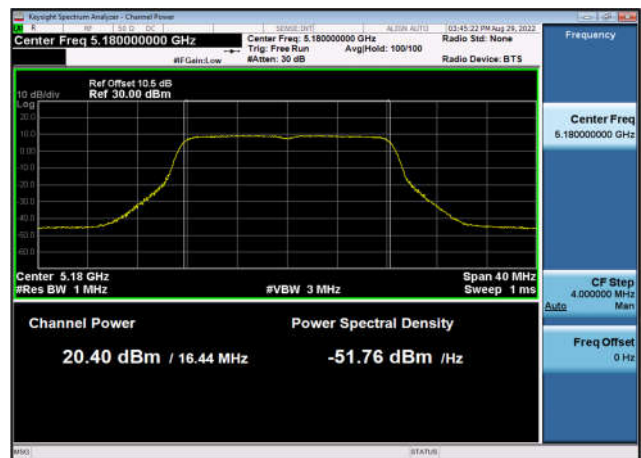
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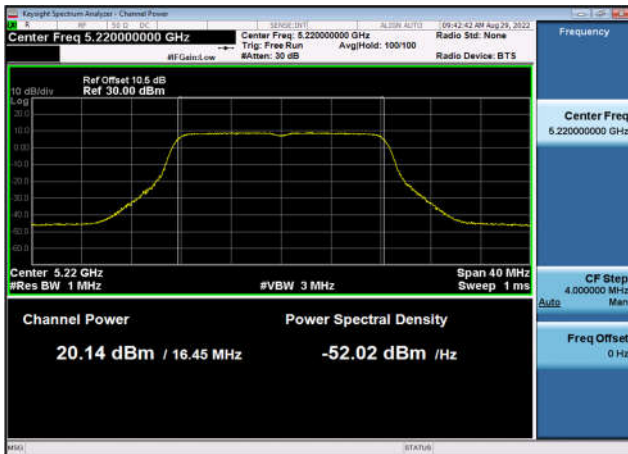
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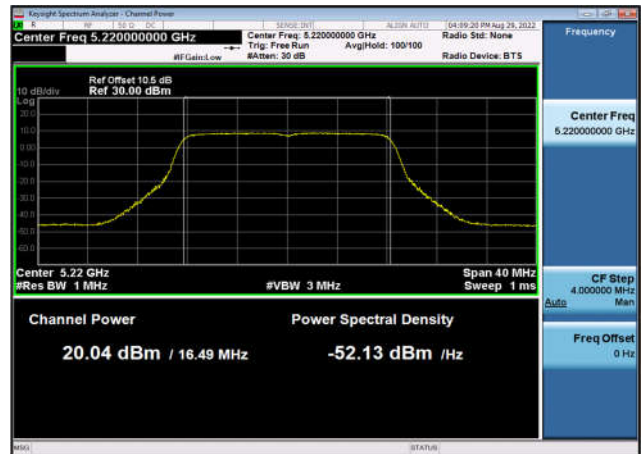
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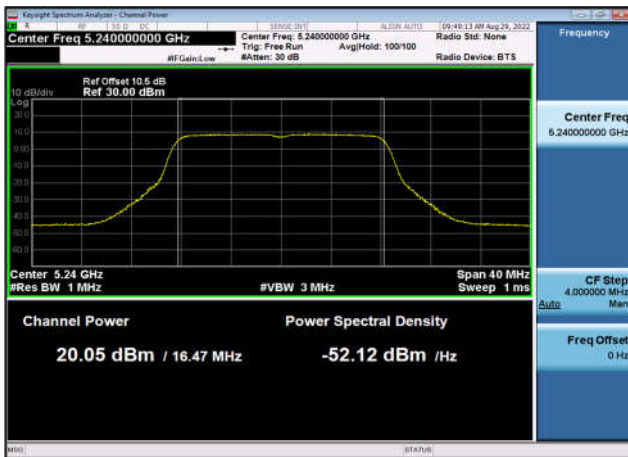
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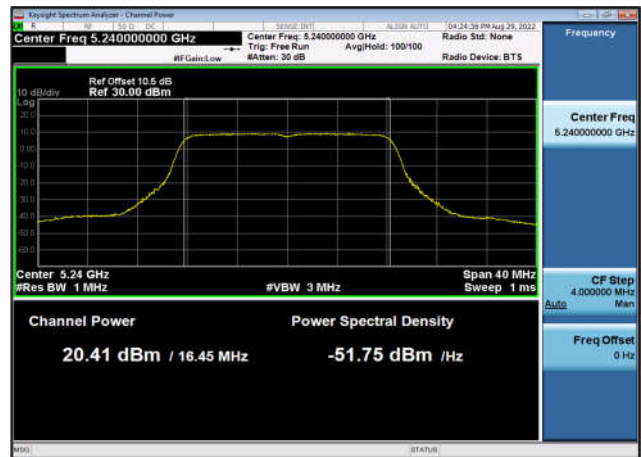
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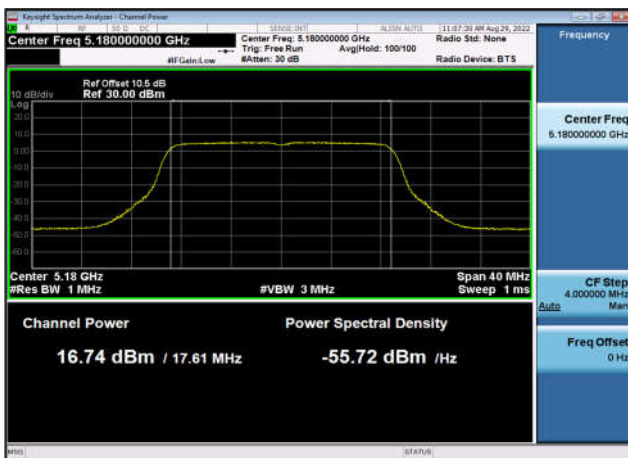
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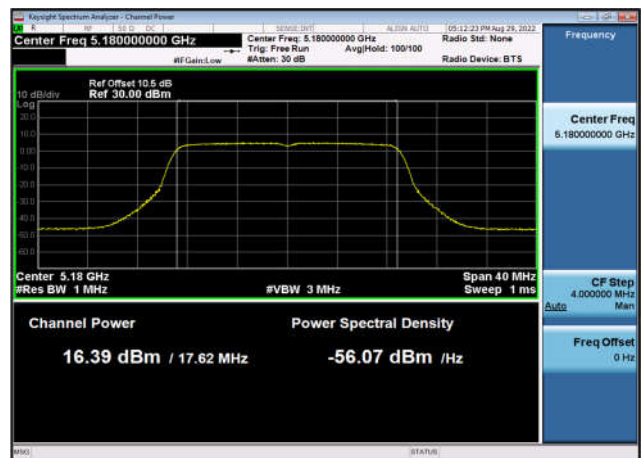
U-NII-1 Output Power-802.11a(20MHz)
,5240MHz,Ant1



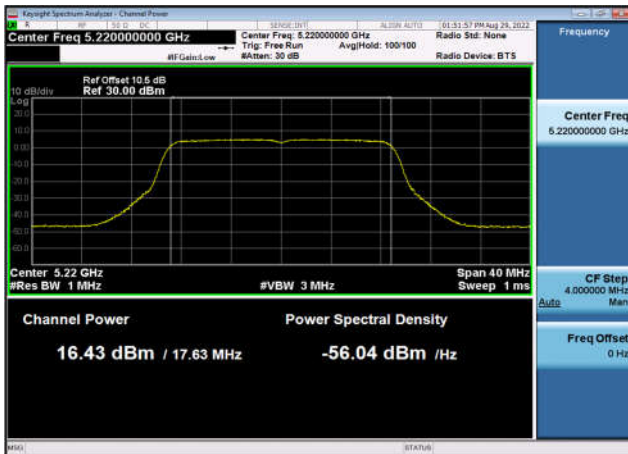
U-NII-1 Output Power-802.11ac(20MHz)
,5180MHz,Ant0



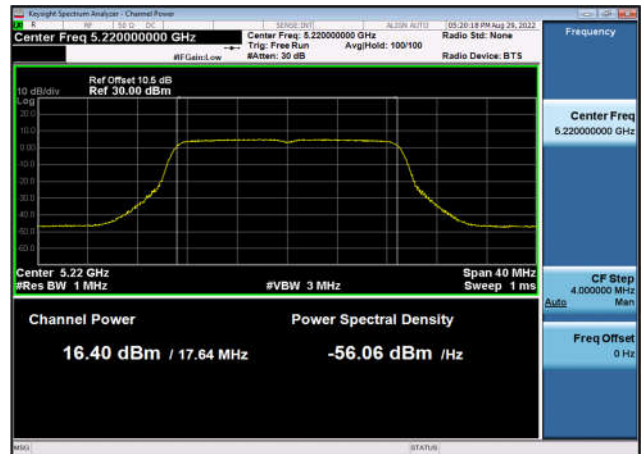
U-NII-1 Output Power-802.11ac(20MHz)
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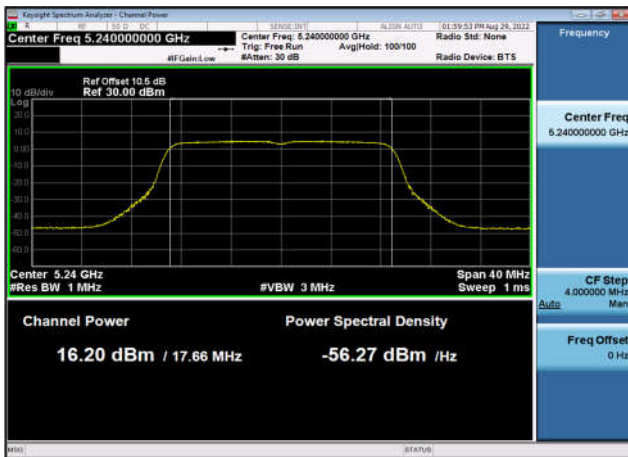
U-NII-1 Output Power-802.11ac(20MHz)
,5220MHz,Ant0



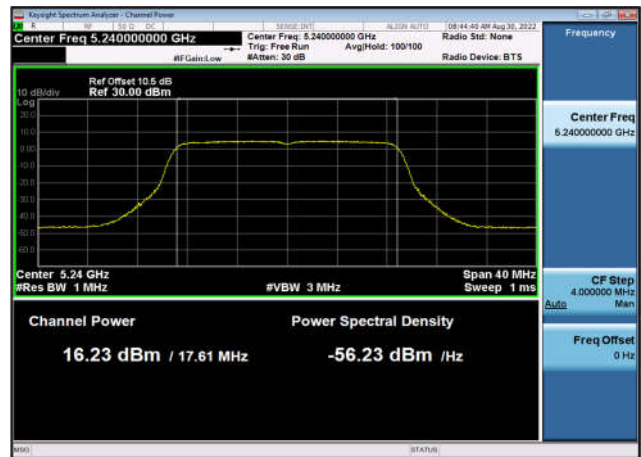
U-NII-1 Output Power-802.11ac(20MHz)
,5220MHz,Ant1



U-NII-1 Output Power-802.11ac(20MHz)
,5240MHz,Ant0



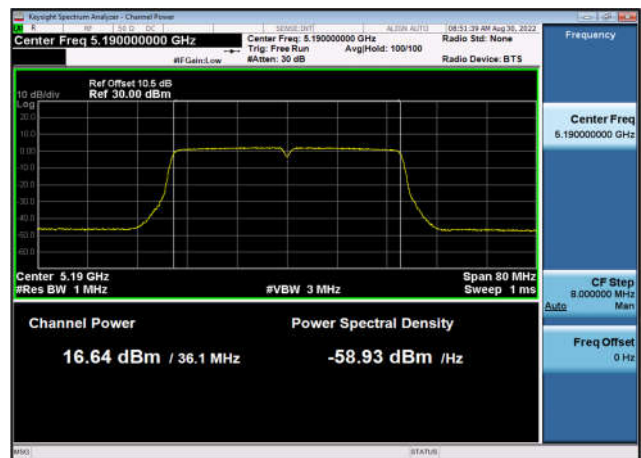
U-NII-1 Output Power-802.11ac(20MHz)
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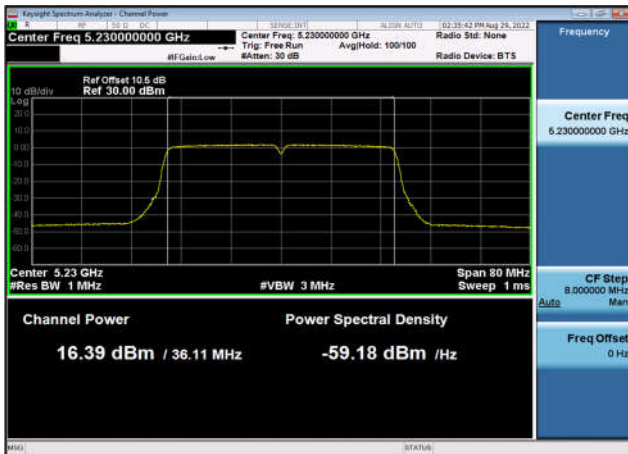
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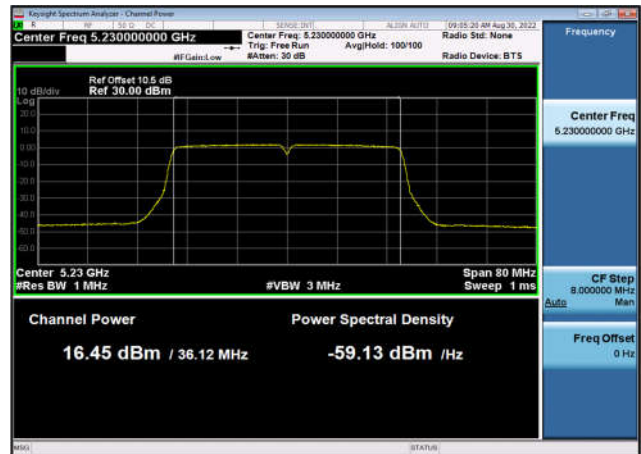
U-NII-1 Output Power-802.11ac(40MHz)
,5190MHz,Ant1



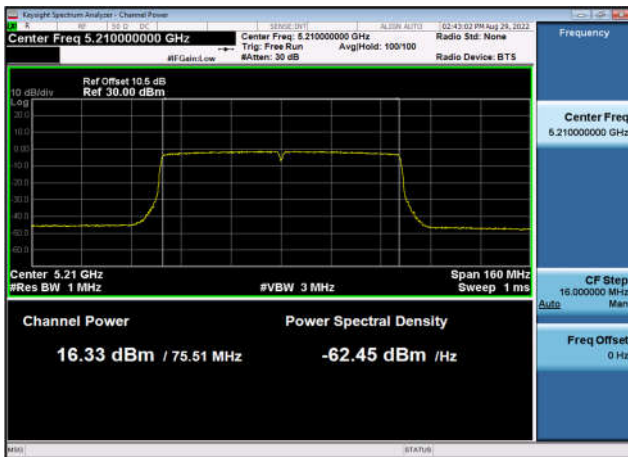
U-NII-1 Output Power-802.11ac(40MHz)
,5230MHz,Ant0



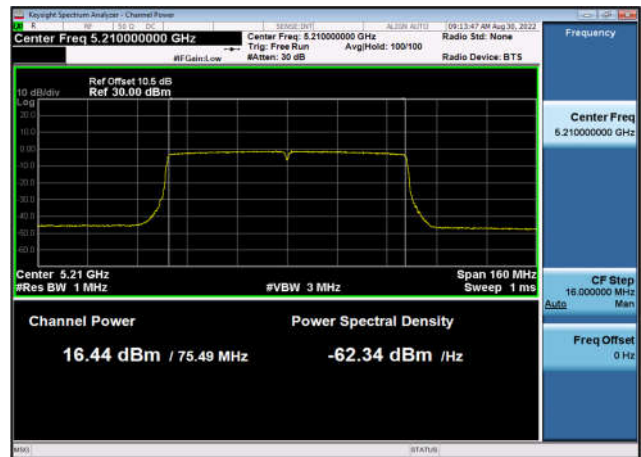
U-NII-1 Output Power-802.11ac(40MHz)
,5230MHz,Ant1



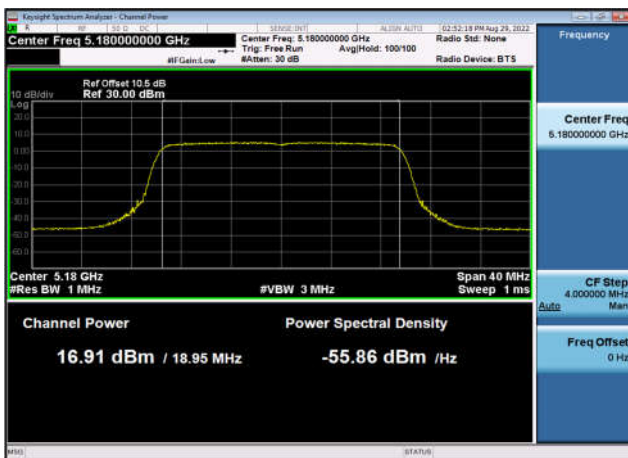
U-NII-1 Output Power-802.11ac(80MHz)
,5210MHz,Ant0



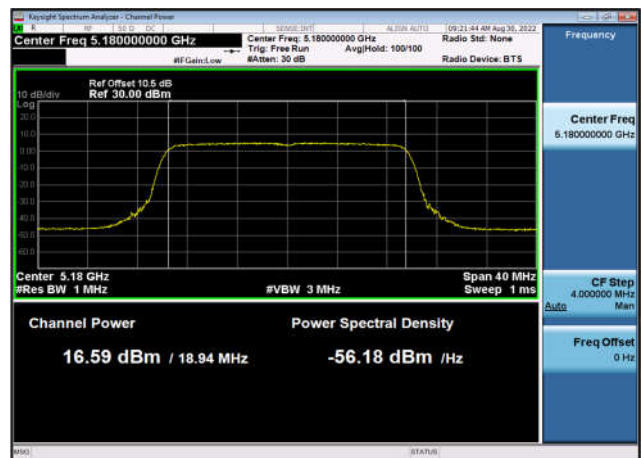
U-NII-1 Output Power-802.11ac(80MHz)
,5210MHz,Ant1



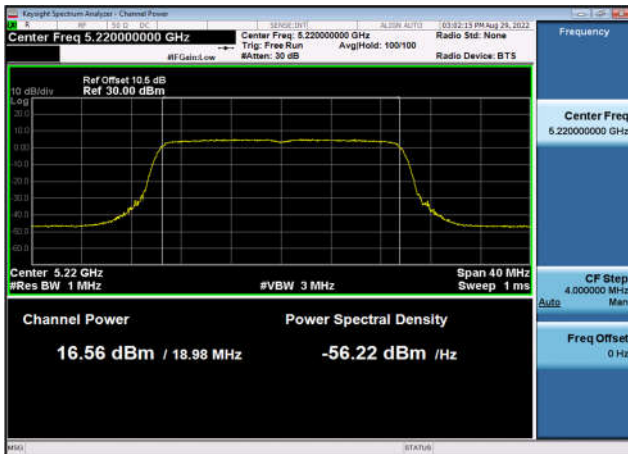
U-NII-1 Output Power-802.11ax(20MHz)
,5180MHz,Ant0



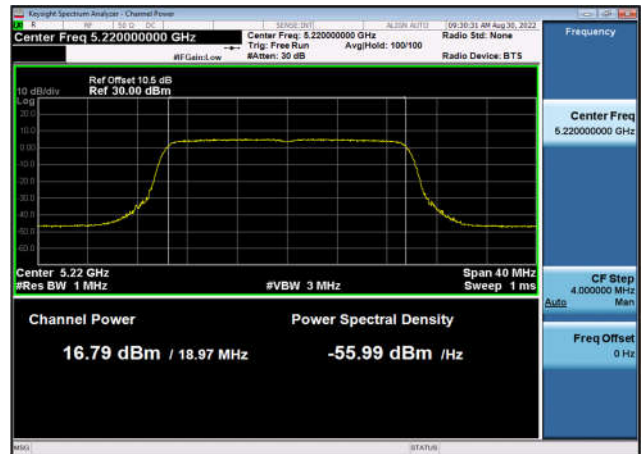
U-NII-1 Output Power-802.11ax(20MHz)
,5180MHz,Ant1



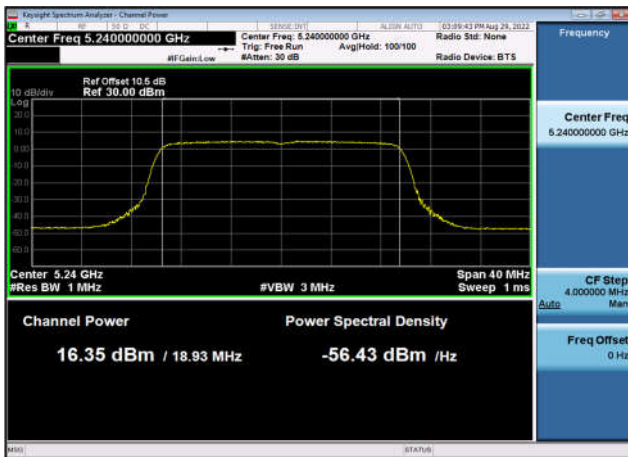
U-NII-1 Output Power-802.11ax(20MHz)
,5220MHz,Ant0



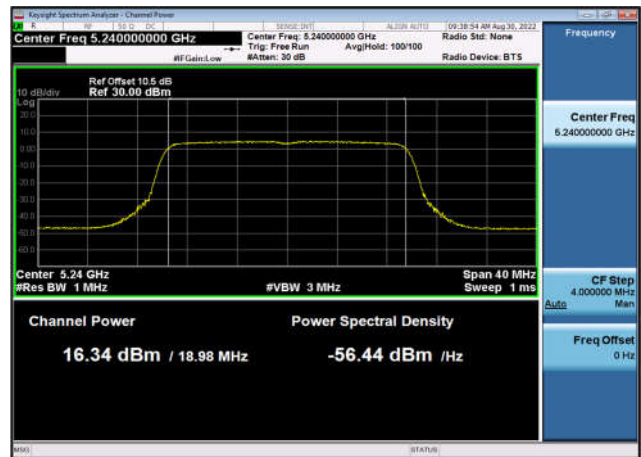
U-NII-1 Output Power-802.11ax(20MHz)
,5220MHz,Ant1



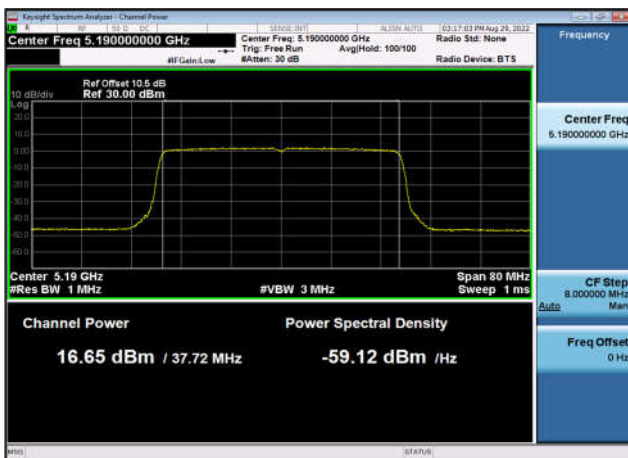
U-NII-1 Output Power-802.11ax(20MHz)
,5240MHz,Ant0



U-NII-1 Output Power-802.11ax(20MHz)
,5240MHz,Ant1



U-NII-1 Output Power-802.11ax(40MHz)
,5190MHz,Ant0



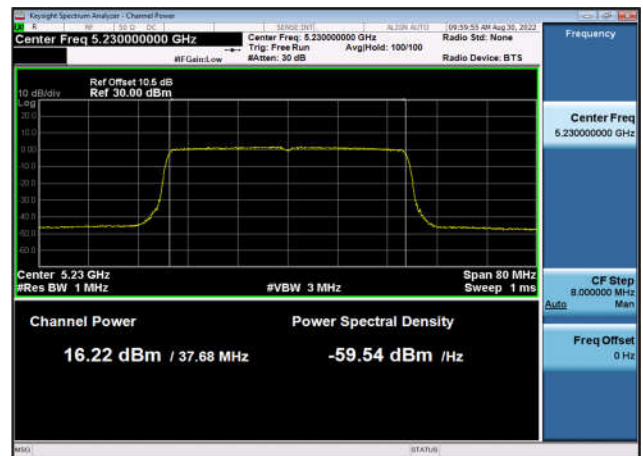
U-NII-1 Output Power-802.11ax(40MHz)
,5190MHz,Ant1



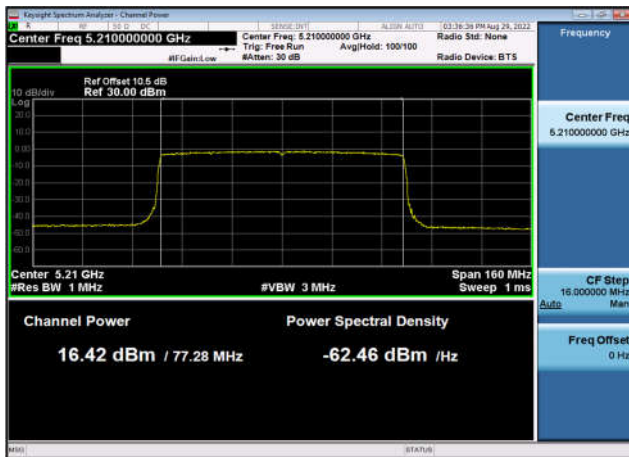
U-NII-1 Output Power-802.11ax(40MHz)
,5230MHz,Ant0



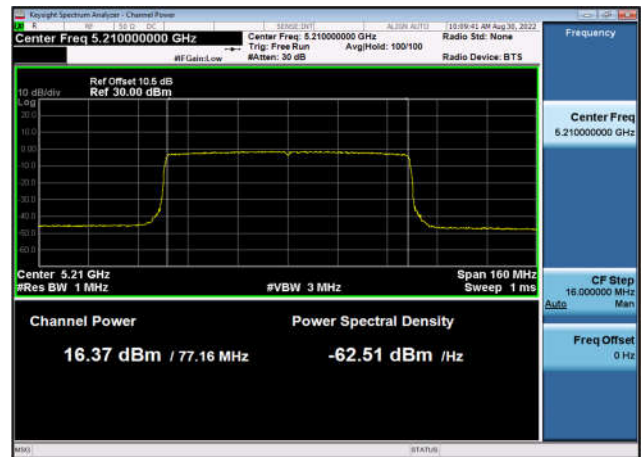
U-NII-1 Output Power-802.11ax(40MHz)
,5230MHz,Ant1



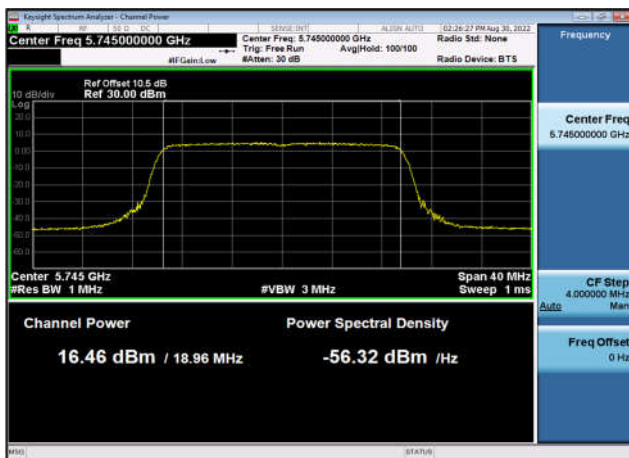
U-NII-1 Output Power-802.11ax(80MHz)
,5210MHz,Ant0



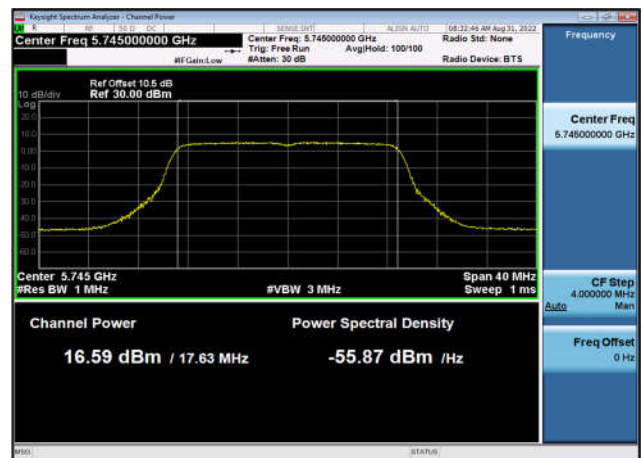
U-NII-1 Output Power-802.11ax(80MHz)
,5210MHz,Ant1



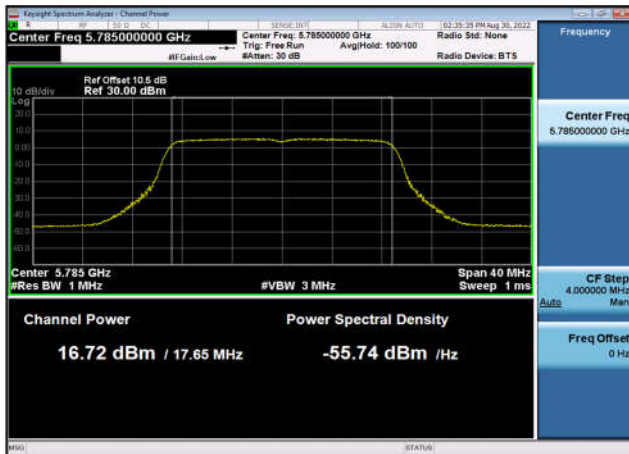
U-NII-3 Output Power-802.11n(20MHz)
,5745MHz,Ant0



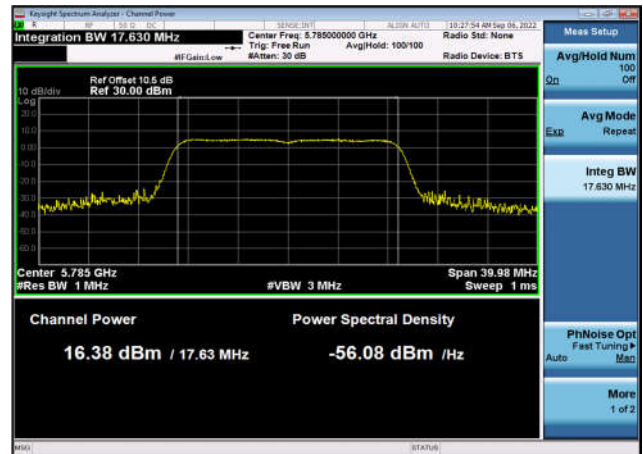
U-NII-3 Output Power-802.11n(20MHz)
,5745MHz,Ant1



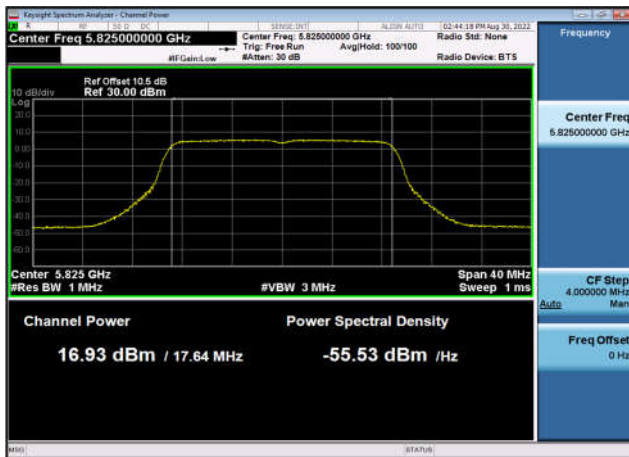
U-NII-3 Output Power-802.11n(20MHz)
,5785MHz,Ant0



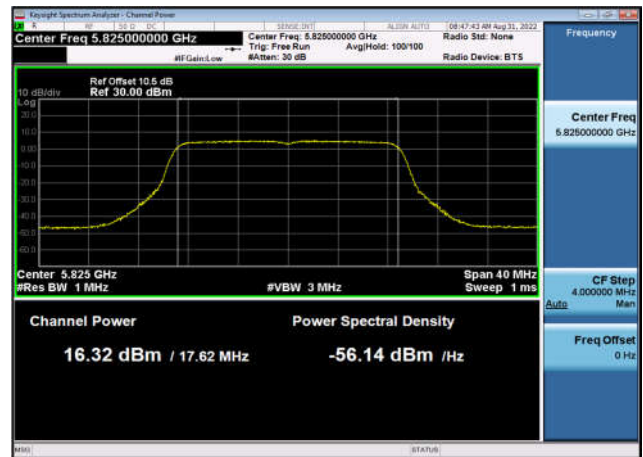
U-NII-3 Output Power-802.11n(20MHz)
,5785MHz,Ant1



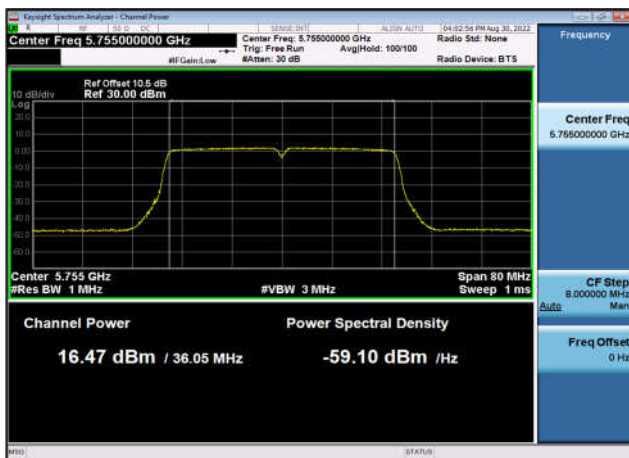
U-NII-3 Output Power-802.11n(20MHz)
,5825MHz,Ant0



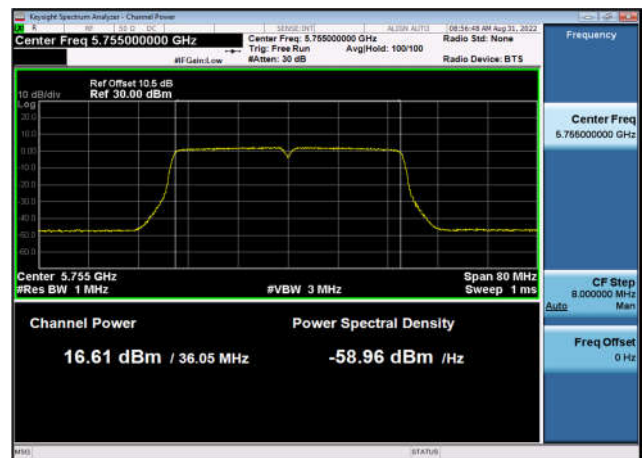
U-NII-3 Output Power-802.11n(20MHz)
,5825MHz,Ant1



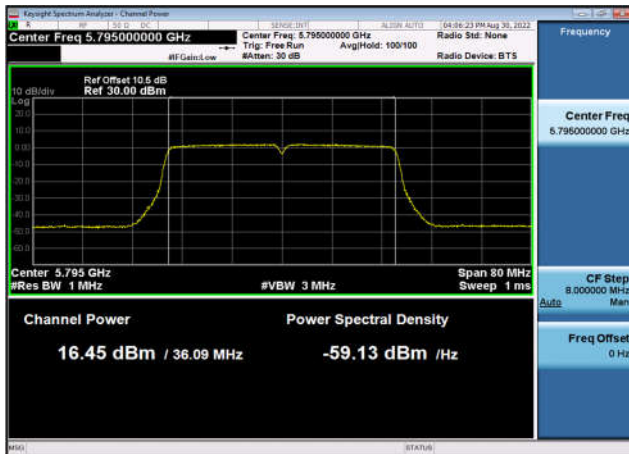
U-NII-3 Output Power-802.11n(40MHz)
,5755MHz,Ant0



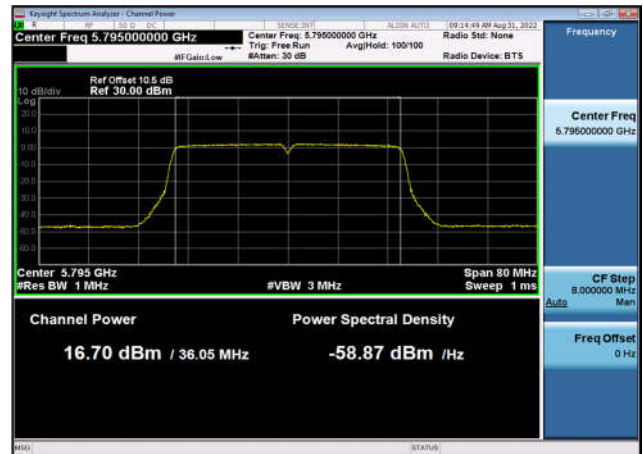
U-NII-3 Output Power-802.11n(40MHz)
,5755MHz,Ant1



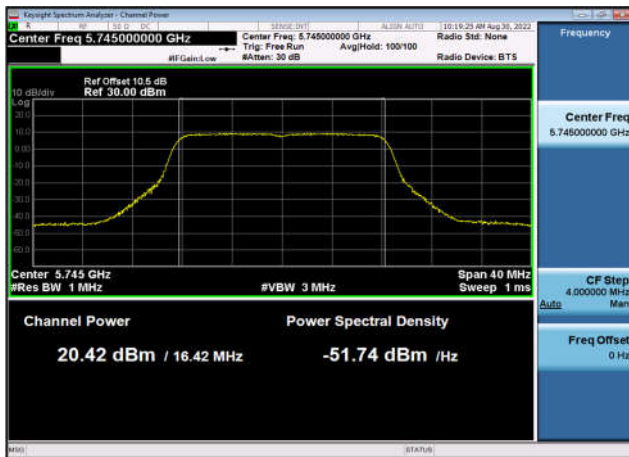
U-NII-3 Output Power-802.11n(40MHz)
,5795MHz,Ant0



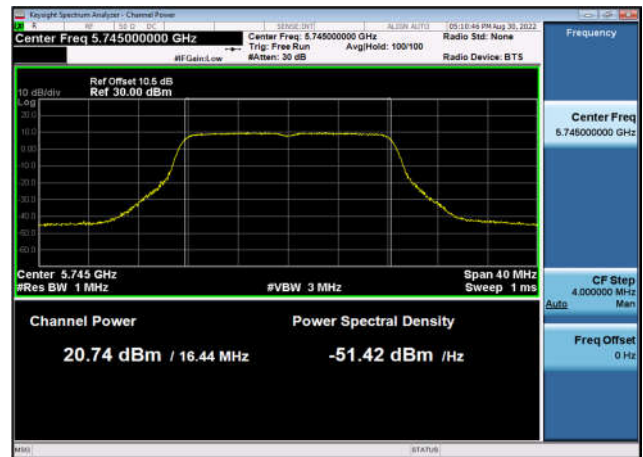
U-NII-3 Output Power-802.11n(40MHz)
,5795MHz,Ant1



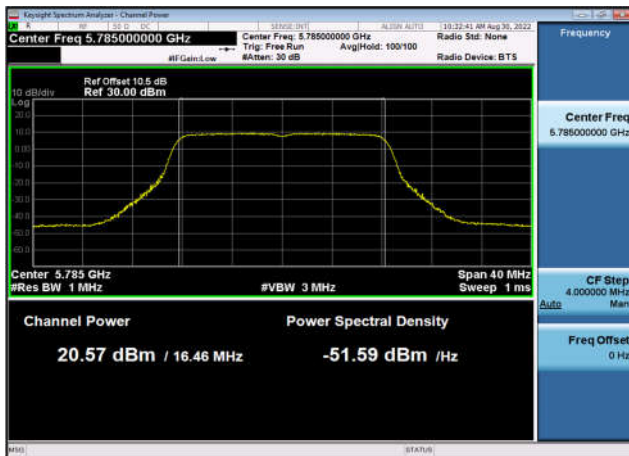
U-NII-3 Output Power-802.11a(20MHz)
,5745MHz,Ant0



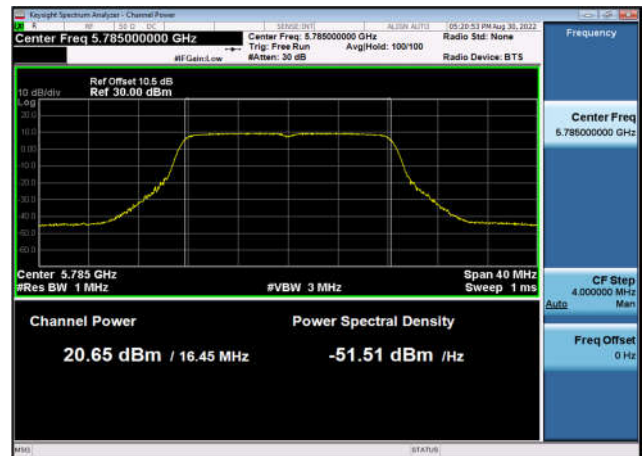
U-NII-3 Output Power-802.11a(20MHz)
,5745MHz,Ant1



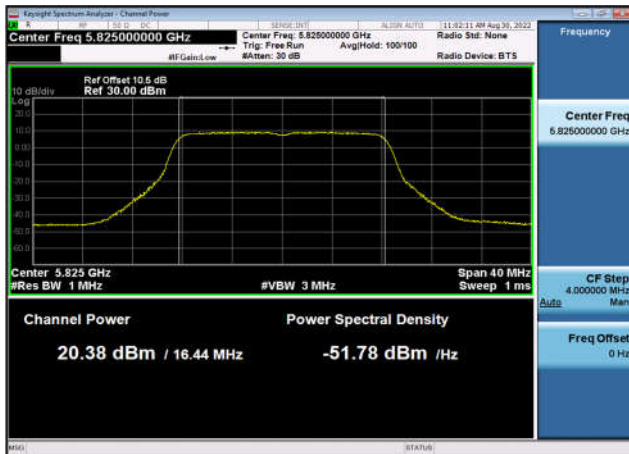
U-NII-3 Output Power-802.11a(20MHz)
,5785MHz,Ant0



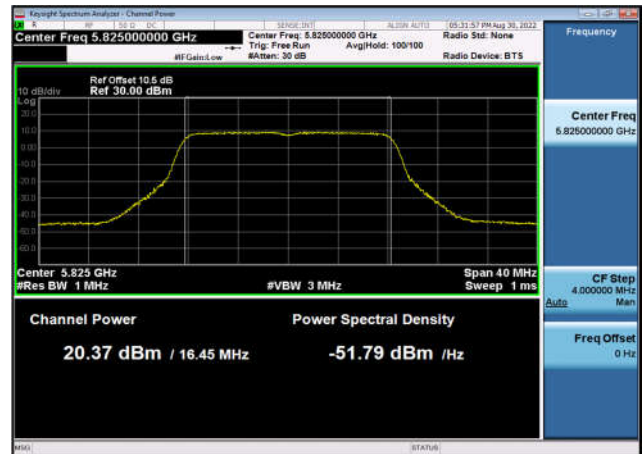
U-NII-3 Output Power-802.11a(20MHz)
,5785MHz,Ant1



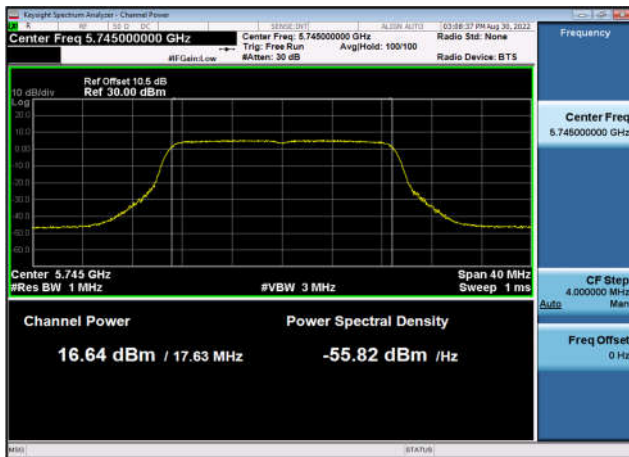
U-NII-3 Output Power-802.11a(20MHz)
,5825MHz,Ant0



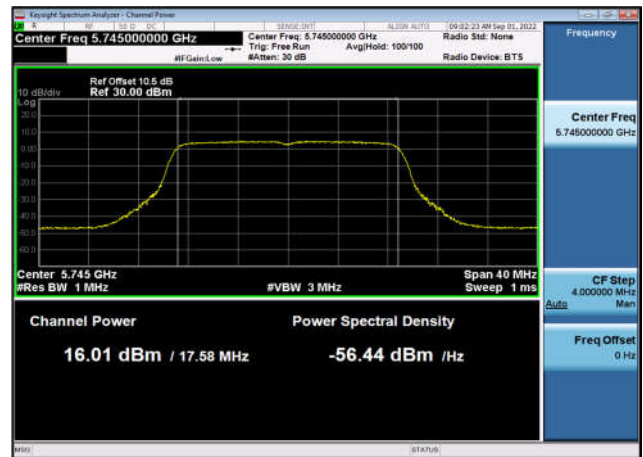
U-NII-3 Output Power-802.11a(20MHz)
,5825MHz,Ant1



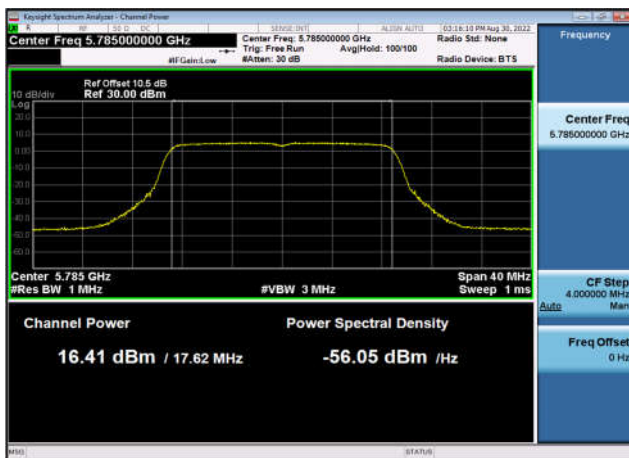
U-NII-3 Output Power-802.11ac(20MHz)
,5745MHz,Ant0



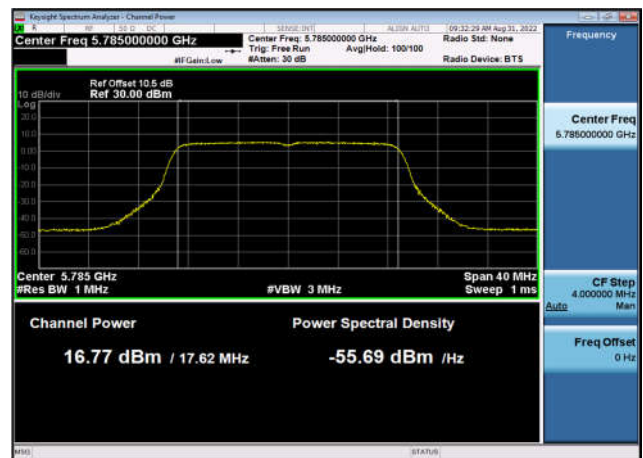
U-NII-3 Output Power-802.11ac(20MHz)
,5745MHz,Ant1



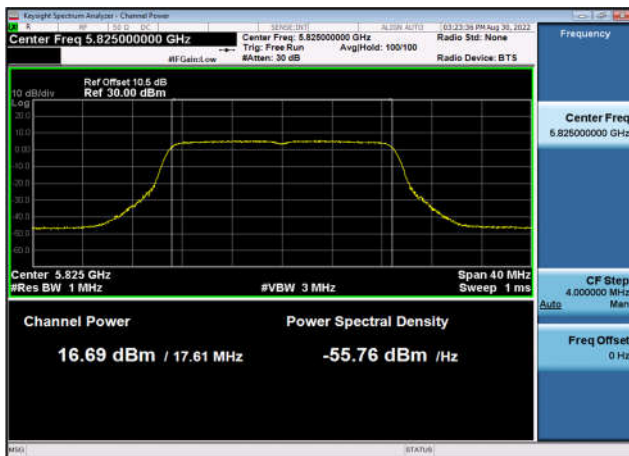
U-NII-3 Output Power-802.11ac(20MHz)
,5785MHz,Ant0



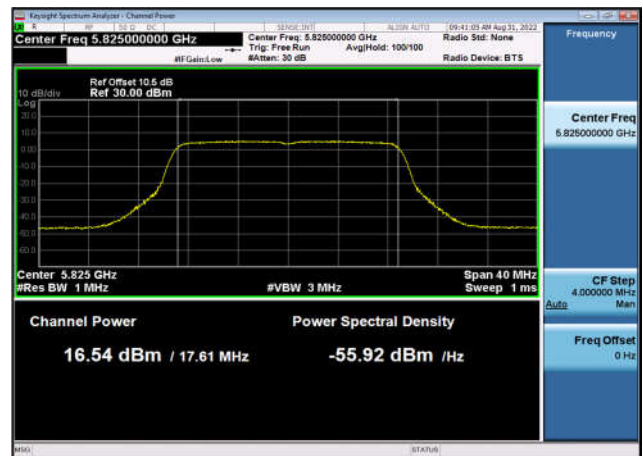
U-NII-3 Output Power-802.11ac(20MHz)
,5785MHz,Ant1



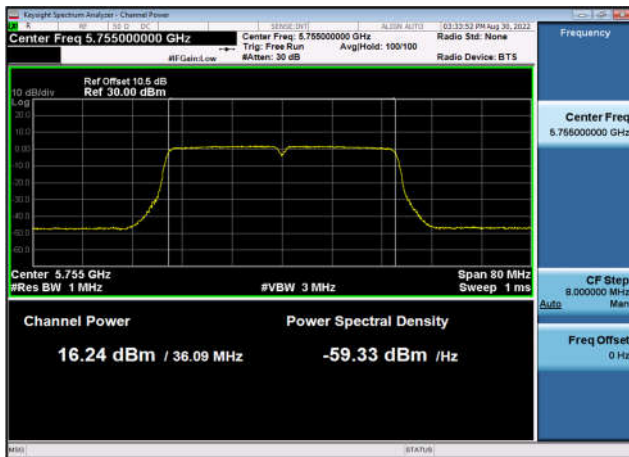
U-NII-3 Output Power-802.11ac(20MHz)
,5825MHz,Ant0



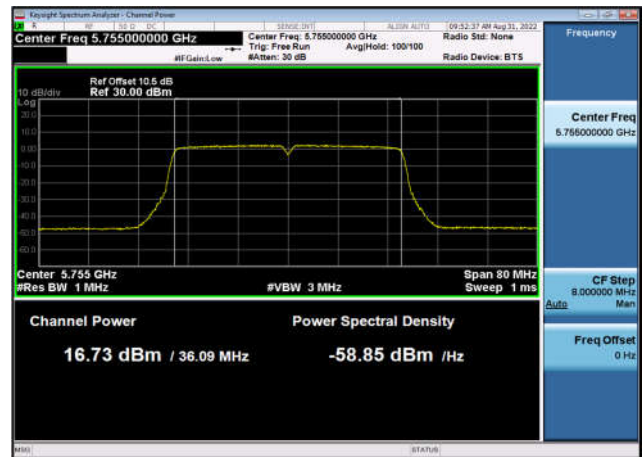
U-NII-3 Output Power-802.11ac(20MHz)
,5825MHz,Ant1



U-NII-3 Output Power-802.11ac(40MHz)
,5755MHz,Ant0



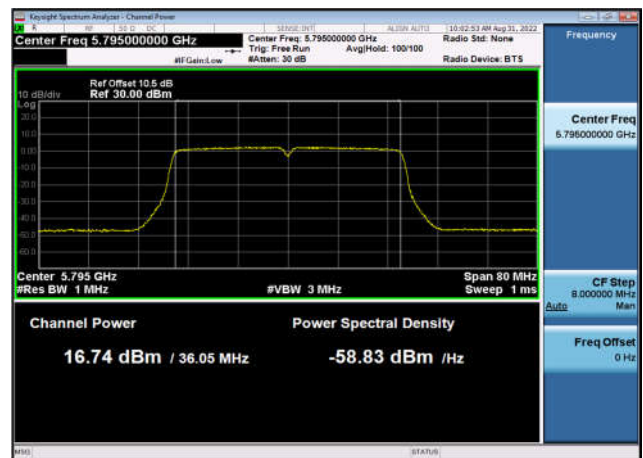
U-NII-3 Output Power-802.11ac(40MHz)
,5755MHz,Ant1



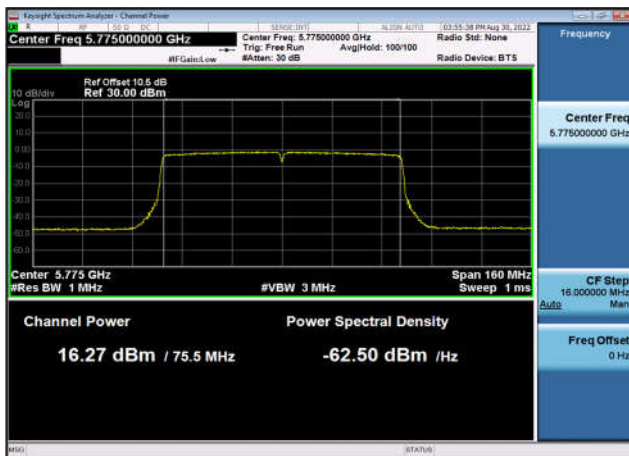
U-NII-3 Output Power-802.11ac(40MHz)
,5795MHz,Ant0



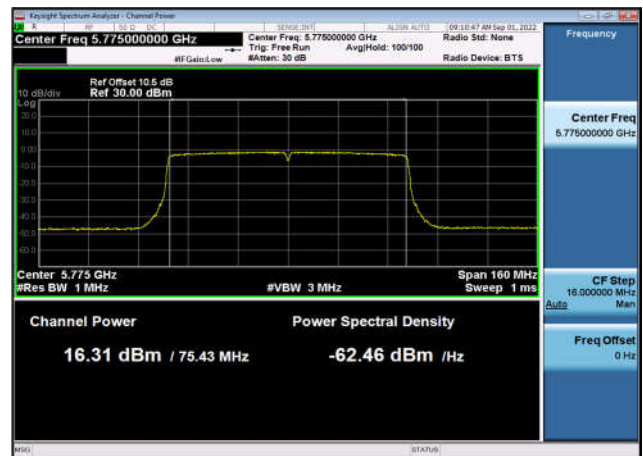
U-NII-3 Output Power-802.11ac(40MHz)
,5795MHz,Ant1



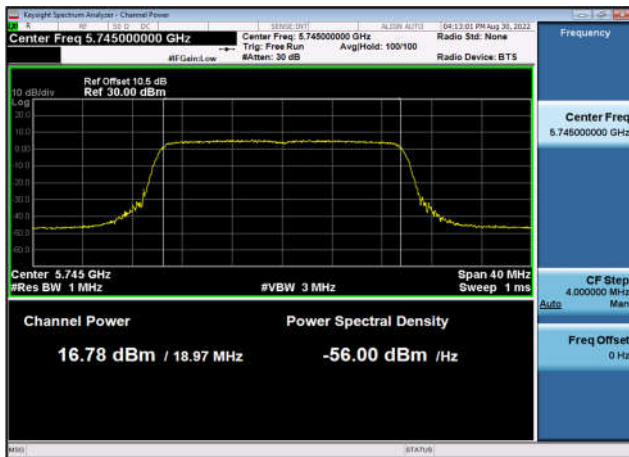
U-NII-3 Output Power-802.11ac(80MHz)
,5775MHz,Ant0



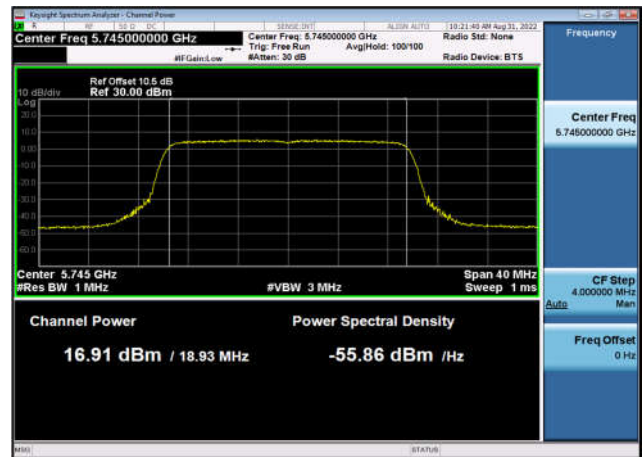
U-NII-3 Output Power-802.11ac(80MHz)
,5775MHz,Ant1



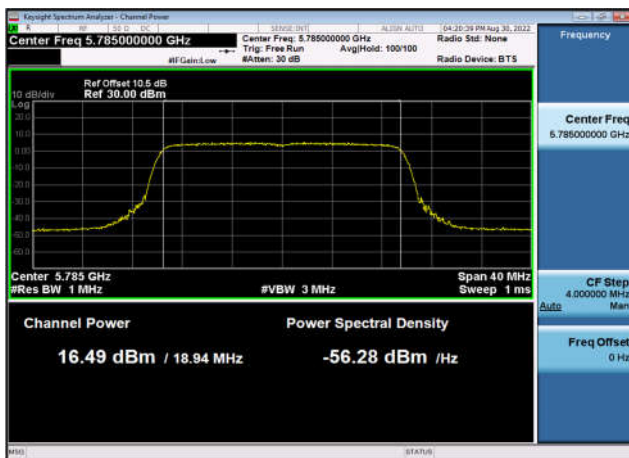
U-NII-3 Output Power-802.11ax(20MHz)
,5745MHz,Ant0



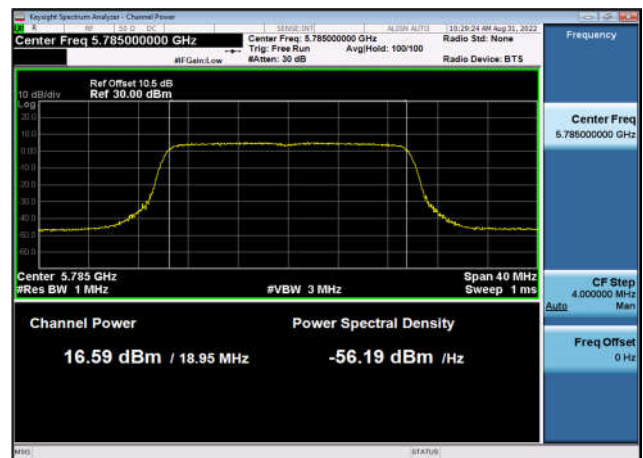
U-NII-3 Output Power-802.11ax(20MHz)
,5745MHz,Ant1



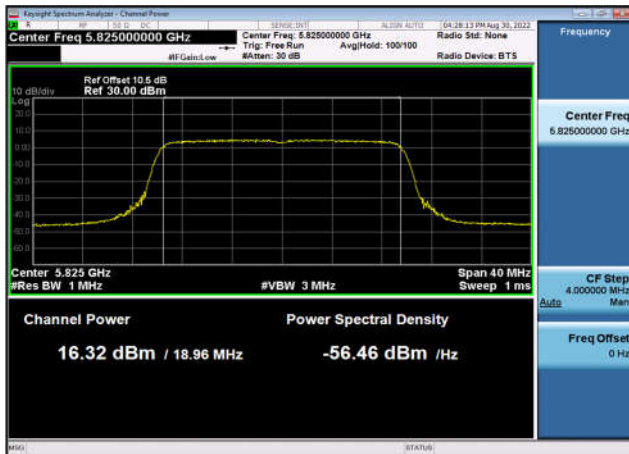
U-NII-3 Output Power-802.11ax(20MHz)
,5785MHz,Ant0



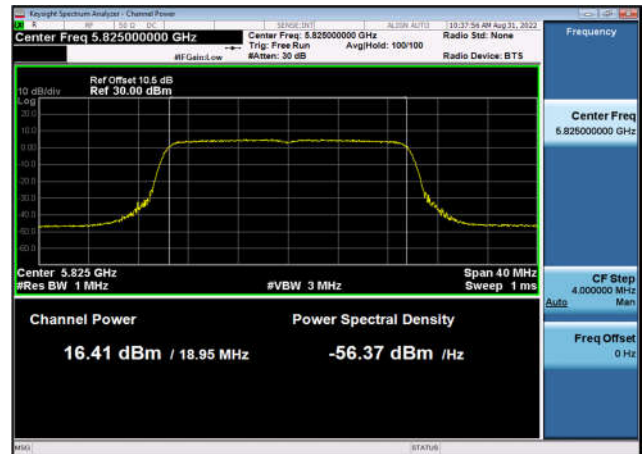
U-NII-3 Output Power-802.11ax(20MHz)
,5785MHz,Ant1



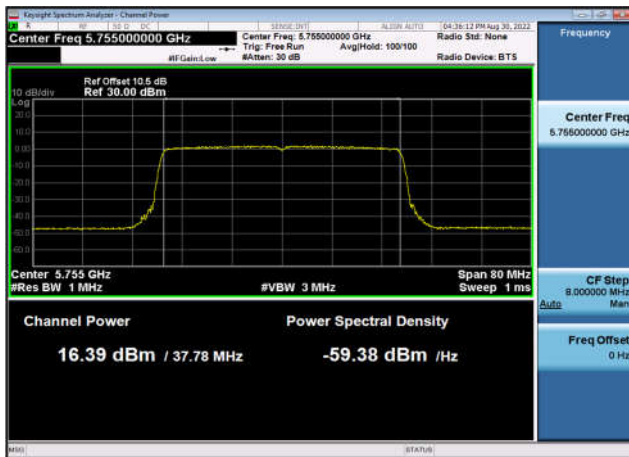
U-NII-3 Output Power-802.11ax(20MHz)
,5825MHz,Ant0



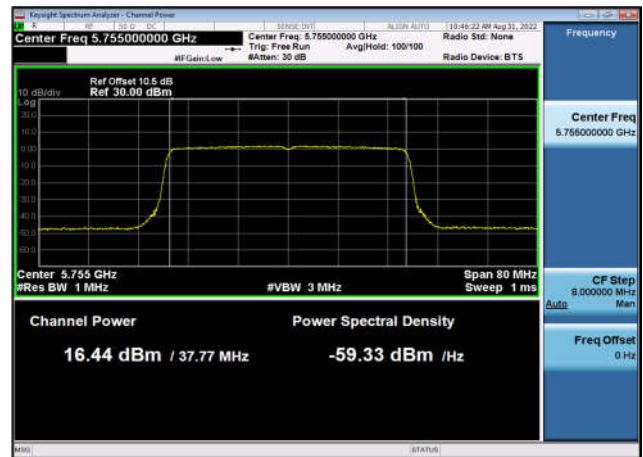
U-NII-3 Output Power-802.11ax(20MHz)
,5825MHz,Ant1



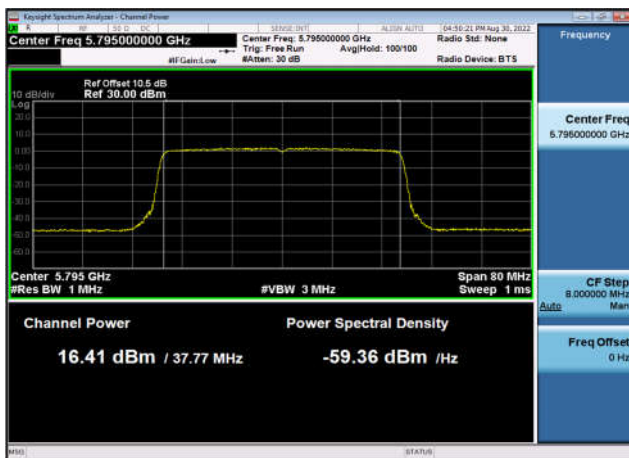
U-NII-3 Output Power-802.11ax(40MHz)
,5755MHz,Ant0



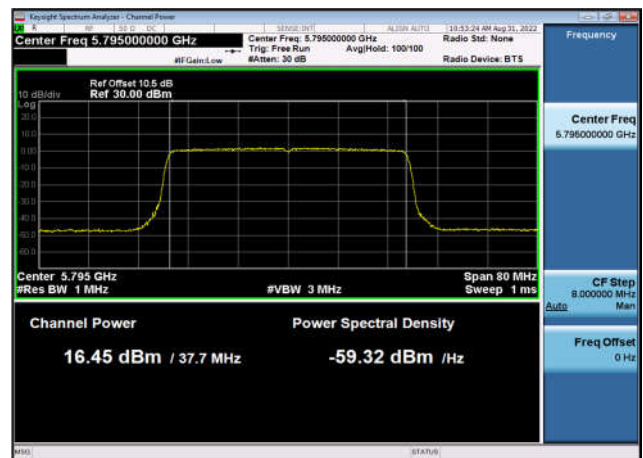
U-NII-3 Output Power-802.11ax(40MHz)
,5755MHz,Ant1



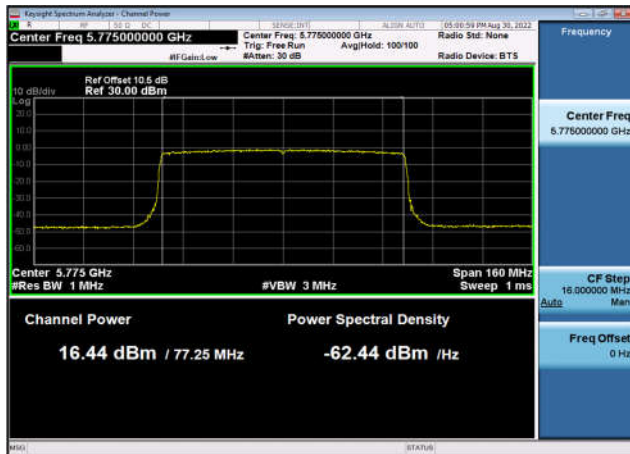
U-NII-3 Output Power-802.11ax(40MHz)
,5795MHz,Ant0



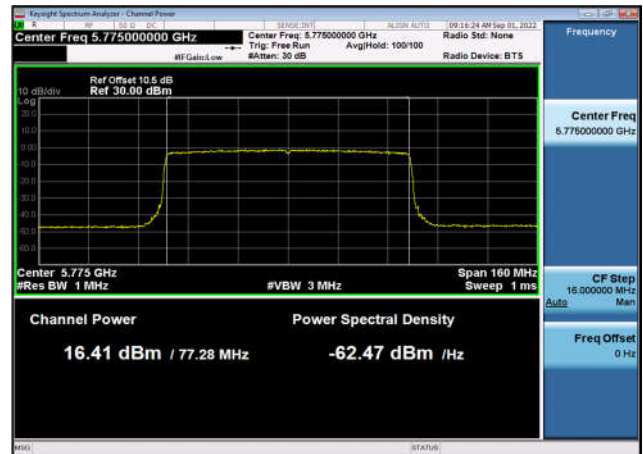
U-NII-3 Output Power-802.11ax(40MHz)
,5795MHz,Ant1



U-NII-3 Output Power-802.11ax(80MHz) ,5775MHz,Ant0



U-NII-3 Output Power-802.11ax(80MHz) ,5775MHz,Ant1



AVGSA Power Spectral Density Test Result and Data

U-NII-1 AVGSA Power Spectral Density						
Mode	Frequency (MHz)	Ant	PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Result
802.11n (20MHz)	5180	Ant0	5.595	8.33	17	Pass
802.11n (20MHz)	5180	Ant1	5.035			
802.11n (20MHz)	5220	Ant0	5.339	8.46	17	Pass
802.11n (20MHz)	5220	Ant1	5.548			
802.11n (20MHz)	5240	Ant0	4.957	8.00	17	Pass
802.11n (20MHz)	5240	Ant1	5.031			
802.11n (40MHz)	5190	Ant0	2.635	5.59	17	Pass
802.11n (40MHz)	5190	Ant1	2.528			
802.11n (40MHz)	5230	Ant0	2.704	5.51	17	Pass
802.11n (40MHz)	5230	Ant1	2.295			
802.11ac (20MHz)	5180	Ant0	5.675	8.36	17	Pass
802.11ac (20MHz)	5180	Ant1	4.991			
802.11ac (20MHz)	5220	Ant0	5.282	8.25	17	Pass
802.11ac (20MHz)	5220	Ant1	5.192			
802.11ac (20MHz)	5240	Ant0	5.111	8.10	17	Pass
802.11ac (20MHz)	5240	Ant1	5.078			
802.11ac (40MHz)	5190	Ant0	2.425	5.40	17	Pass
802.11ac (40MHz)	5190	Ant1	2.360			
802.11ac (40MHz)	5230	Ant0	2.161	5.24	17	Pass
802.11ac (40MHz)	5230	Ant1	2.297			
802.11ac (80MHz)	5210	Ant0	-1.250	1.92	17	Pass
802.11ac (80MHz)	5210	Ant1	-0.938			
802.11a (20MHz)	5180	Ant0	9.625	/	17	Pass
802.11a (20MHz)	5180	Ant1	9.358	/	17	Pass
802.11a (20MHz)	5220	Ant0	9.098	/	17	Pass
802.11a (20MHz)	5220	Ant1	9.028	/	17	Pass
802.11a (20MHz)	5240	Ant0	8.964	/	17	Pass
802.11a (20MHz)	5240	Ant1	9.376	/	17	Pass
802.11ax (20MHz)	5180	Ant0	5.520	8.36	17	Pass
802.11ax (20MHz)	5180	Ant1	5.178			
802.11ax (20MHz)	5220	Ant0	5.203	8.23	17	Pass
802.11ax (20MHz)	5220	Ant1	5.234			
802.11ax (20MHz)	5240	Ant0	4.843	7.91	17	Pass
802.11ax (20MHz)	5240	Ant1	4.956			
802.11ax (40MHz)	5190	Ant0	2.255	5.22	17	Pass
802.11ax (40MHz)	5190	Ant1	2.159			



802.11ax (40MHz)	5230	Ant0	1.946	5.02	17	Pass
802.11ax (40MHz)	5230	Ant1	2.071			
802.11ax (80MHz)	5210	Ant0	-0.961	2.03	17	Pass
802.11ax (80MHz)	5210	Ant1	-0.993			

Note:

1) Total Power = $10 \cdot \log \{10^{(\text{Ant 0 Max Power}/10)} + 10^{(\text{Ant 1 Max Power}/10)}\}$.

U-NII-3 AVGSA Power Spectral Density						
Mode	Frequency (MHz)	Ant	PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Result
802.11n (20MHz)	5745	Ant0	2.390	5.50	30	Pass
802.11n (20MHz)	5745	Ant1	2.584			
802.11n (20MHz)	5785	Ant0	2.755	5.62	30	Pass
802.11n (20MHz)	5785	Ant1	2.450			
802.11n (20MHz)	5825	Ant0	2.926	5.65	30	Pass
802.11n (20MHz)	5825	Ant1	2.335			
802.11n (40MHz)	5755	Ant0	-0.434	2.71	30	Pass
802.11n (40MHz)	5755	Ant1	-0.167			
802.11n (40MHz)	5795	Ant0	-0.259	2.82	30	Pass
802.11n (40MHz)	5795	Ant1	-0.123			
802.11ac (20MHz)	5745	Ant0	2.495	5.23	30	Pass
802.11ac (20MHz)	5745	Ant1	1.930			
802.11ac (20MHz)	5785	Ant0	2.335	5.46	30	Pass
802.11ac (20MHz)	5785	Ant1	2.565			
802.11ac (20MHz)	5825	Ant0	2.757	5.63	30	Pass
802.11ac (20MHz)	5825	Ant1	2.483			
802.11ac (40MHz)	5755	Ant0	-0.570	2.72	30	Pass
802.11ac (40MHz)	5755	Ant1	-0.028			
802.11ac (40MHz)	5795	Ant0	-0.338	2.81	30	Pass
802.11ac (40MHz)	5795	Ant1	-0.062			
802.11ac (80MHz)	5775	Ant0	-3.504	-0.36	30	Pass
802.11ac (80MHz)	5775	Ant1	-3.250			
802.11a (20MHz)	5745	Ant0	6.963	/	30	Pass
802.11a (20MHz)	5745	Ant1	6.819	/	30	Pass
802.11a (20MHz)	5785	Ant0	6.826	/	30	Pass
802.11a (20MHz)	5785	Ant1	6.818	/	30	Pass
802.11a (20MHz)	5825	Ant0	6.621	/	30	Pass
802.11a (20MHz)	5825	Ant1	6.653	/	30	Pass
802.11ax (20MHz)	5745	Ant0	2.891	5.87	30	Pass
802.11ax (20MHz)	5745	Ant1	2.819			
802.11ax (20MHz)	5785	Ant0	1.992	5.16	30	Pass
802.11ax (20MHz)	5785	Ant1	2.306			
802.11ax (20MHz)	5825	Ant0	2.413	5.27	30	Pass
802.11ax (20MHz)	5825	Ant1	2.096			
802.11ax (40MHz)	5755	Ant0	-3.611	1.27	30	Pass
802.11ax (40MHz)	5755	Ant1	-0.438			
802.11ax (40MHz)	5795	Ant0	-0.463	2.49	30	Pass



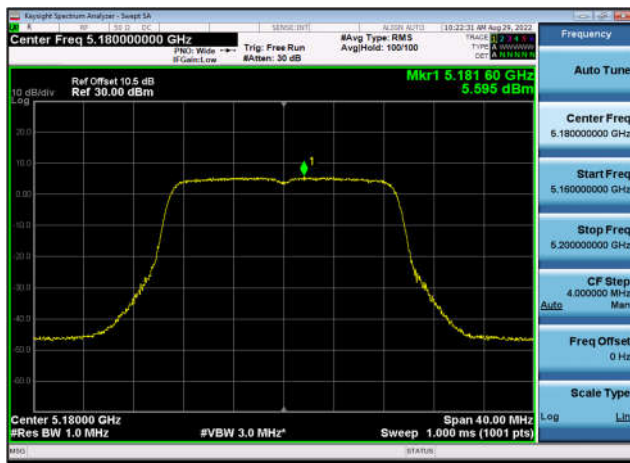
802.11ax (40MHz)	5795	Ant1	-0.573			
802.11ax (80MHz)	5775	Ant0	-3.198	-0.34	30	Pass
802.11ax (80MHz)	5775	Ant1	-3.511			

Note:

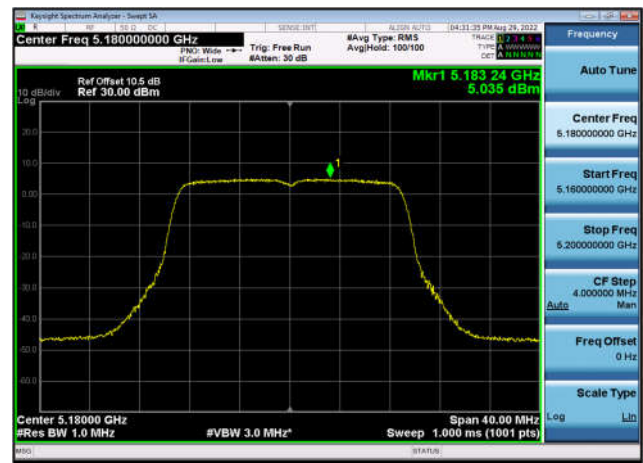
1) Total Power = $10 \cdot \log \{10^{(\text{Ant 0 Max Power}/10)} + 10^{(\text{Ant 1 Max Power}/10)}\}$.

Test Plots

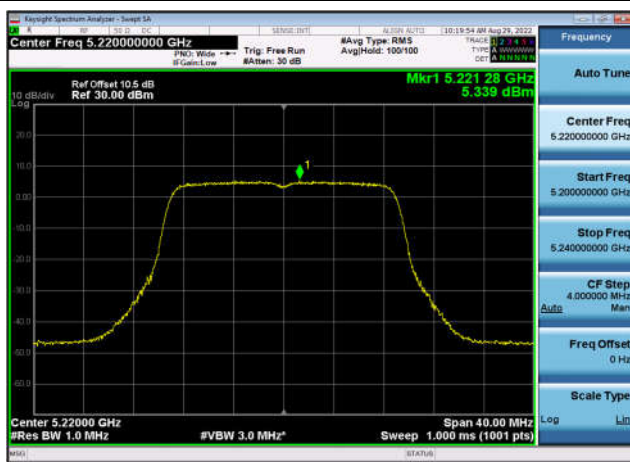
U-NII-1 Power spectral density-802.11
n(20MHz),5180MHz,Ant0



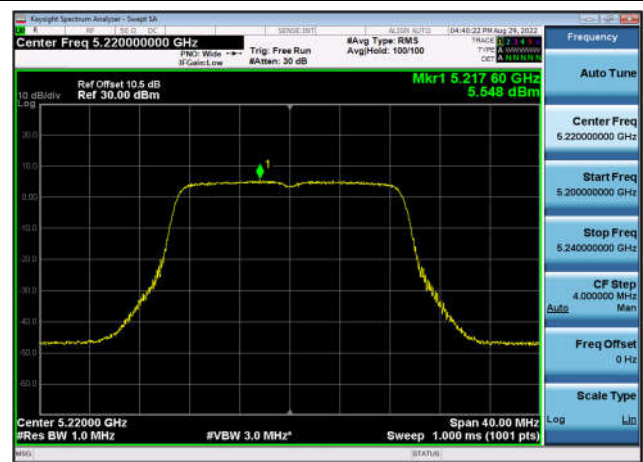
U-NII-1 Power spectral density-802.11
n(20MHz),5180MHz,Ant1



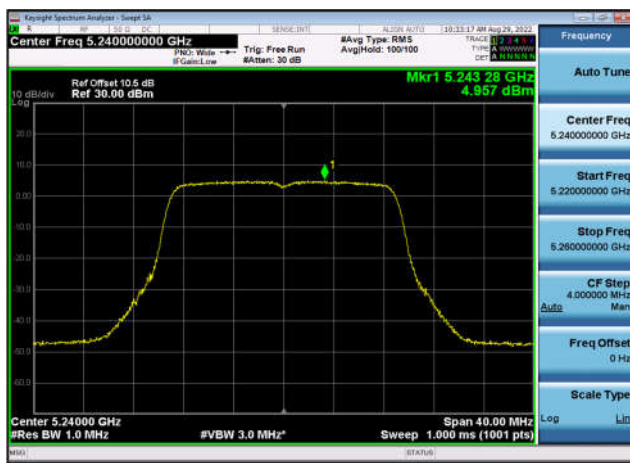
U-NII-1 Power spectral density-802.11
n(20MHz),5220MHz,Ant0



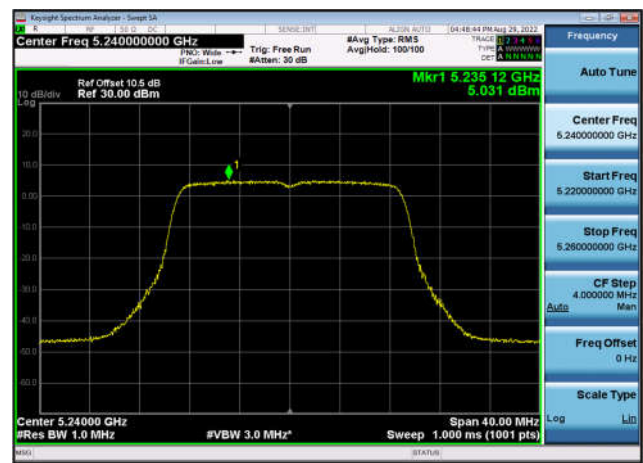
U-NII-1 Power spectral density-802.11
n(20MHz),5220MHz,Ant1



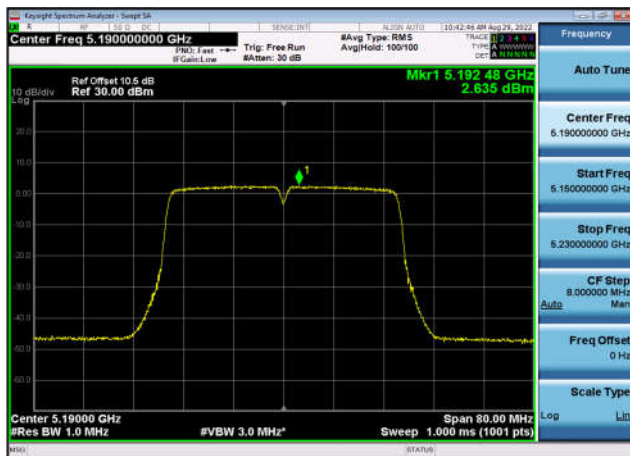
U-NII-1 Power spectral density-802.11
n(20MHz),5240MHz,Ant0



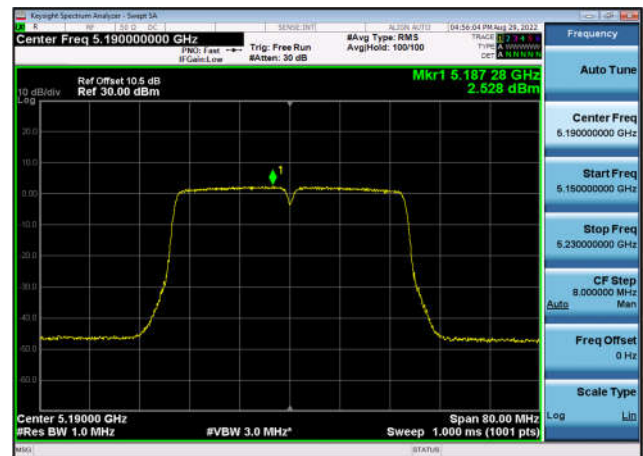
U-NII-1 Power spectral density-802.11
n(20MHz),5240MHz,Ant1



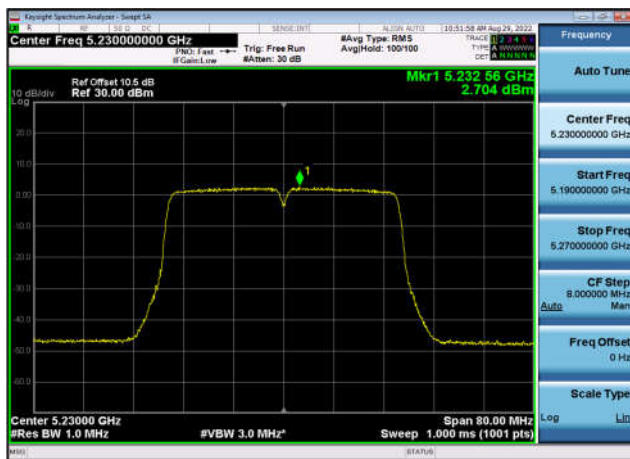
U-NII-1 Power spectral density-802.11
n(40MHz),5190MHz,Ant0



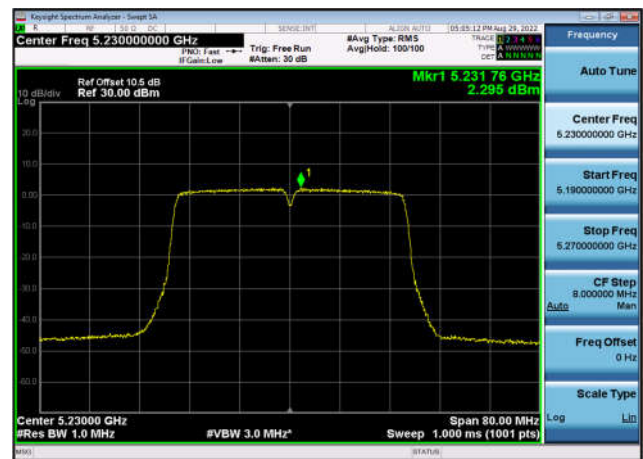
U-NII-1 Power spectral density-802.11
n(40MHz),5190MHz,Ant1



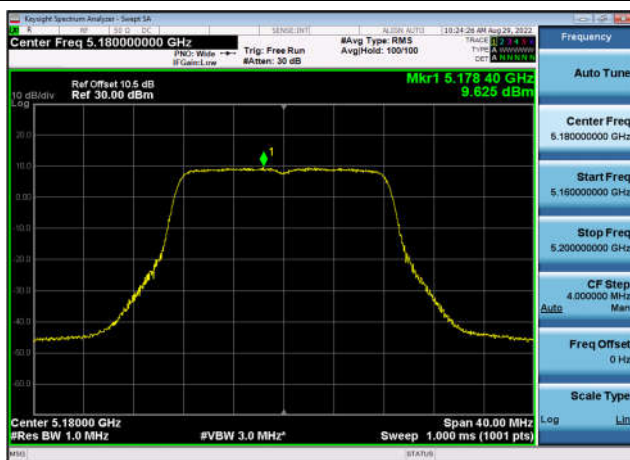
U-NII-1 Power spectral density-802.11
n(40MHz),5230MHz,Ant0



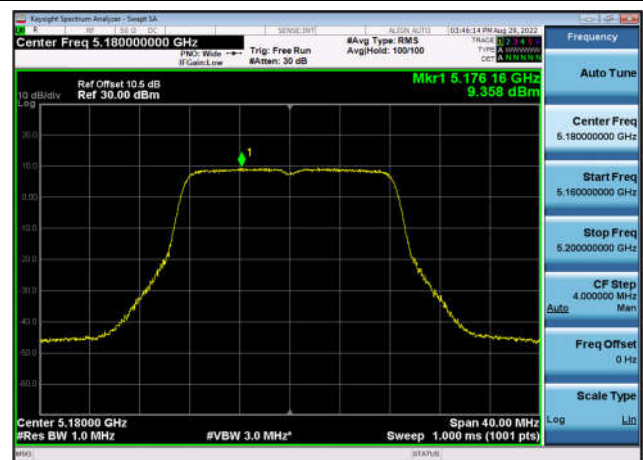
U-NII-1 Power spectral density-802.11
n(40MHz),5230MHz,Ant1



U-NII-1 Power spectral density-802.11
a(20MHz),5180MHz,Ant0



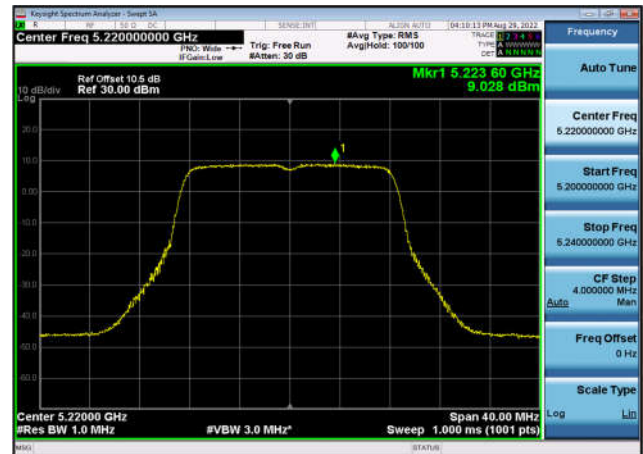
U-NII-1 Power spectral density-802.11
a(20MHz),5180MHz,Ant1



U-NII-1 Power spectral density-802.11
a(20MHz),5220MHz,Ant0



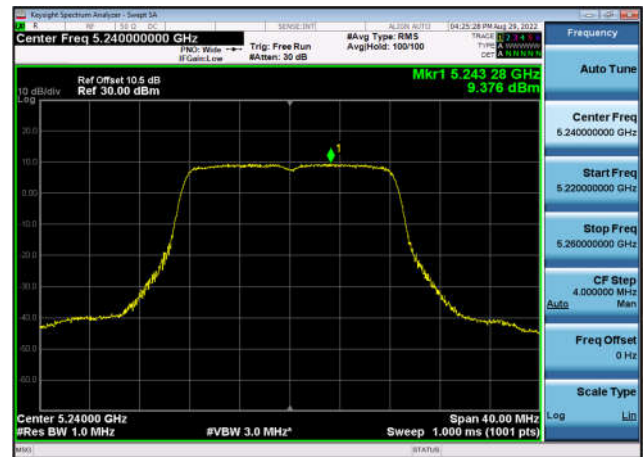
U-NII-1 Power spectral density-802.11
a(20MHz),5220MHz,Ant1



U-NII-1 Power spectral density-802.11
a(20MHz),5240MHz,Ant0



U-NII-1 Power spectral density-802.11
a(20MHz),5240MHz,Ant1



U-NII-1 Power spectral density-802.11
ac(20MHz),5180MHz,Ant0



U-NII-1 Power spectral density-802.11
ac(20MHz),5180MHz,Ant1

